

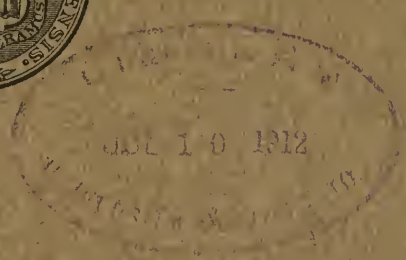
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VOL. II

DECEMBER, 1905

NO. 5

BULLETIN OF BROWN UNIVERSITY

THE CATALOGUE
1905-1906



PROVIDENCE
PUBLISHED BY THE UNIVERSITY
[APRIL, MAY, JUNE, OCTOBER, DECEMBER, & FEBRUARY]

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Correspondence addressed simply to Brown University, Providence, Rhode Island, may be expected to reach the proper department, but in order to avoid delay correspondents are requested to note the following directions :

Communications relating to matters directly in the charge of the Corporation and all correspondence bearing upon the general interests of the University should be addressed to the President.

Requests for the Annual Catalogue and other publications, and inquiries relating to the admission of Undergraduate students should be addressed to the Registrar.

Inquiries concerning scholarships and other matters pertaining to Undergraduate students should be addressed to the Dean of the University.

Inquiries in regard to the Graduate Department should be addressed to the Dean of the Graduate Department.

Inquiries concerning the Women's College should be addressed to the Dean of the Women's College.

Inquiries or information concerning Alumni should be sent to the Keeper of Graduate Records.

THE CATALOGUE OF BROWN UNIVERSITY

ONE HUNDRED AND FORTY-SECOND YEAR

1905-1906



PROVIDENCE, RHODE ISLAND
PUBLISHED BY THE UNIVERSITY
1905

D. B. UPDIKE, THE MERRYMOUNT PRESS, BOSTON

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CALENDAR 1905-1906

Festivals and holidays occurring within the academic year 1905-6 are indicated by dark type

1905	1906	1906
JULY	JAN.	JULY
S M T W T F S	S M T W T F S	S M T W T F S
1	1 2 3 4 5 6	1 2 3 4 5 6 7
2 3 4 5 6 7 8	7 8 9 10 11 12 13	8 9 10 11 12 13 14
9 10 11 12 13 14 15	14 15 16 17 18 19 20	15 16 17 18 19 20 21
16 17 18 19 20 21 22	21 22 23 24 25 26 27	22 23 24 25 26 27 28
23 24 25 26 27 28 29	28 29 30 31	29 30 31
30 31	FEB.	AUG.
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13 14 15 16 17 18 19	18 19 20 21 22 23 24	19 20 21 22 23 24 25
20 21 22 23 24 25 26	25 26 27 28	26 27 28 29 30 31 . .
27 28 29 30 31	MAR.	SEPT.
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17 18 19 20 21 22 23	25 26 27 28 29 30 31	23 24 25 26 27 28 29
24 25 26 27 28 29 30	30
OCT.	APR.	OCT.
1 2 3 4 5 6 7	1 2 3 4 5 6 7	1 2 3 4 5 6
8 9 10 11 12 13 14	8 9 10 11 12 13 14	7 8 9 10 11 12 13
15 16 17 18 19 20 21	15 16 17 18 19 20 21	14 15 16 17 18 19 20
22 23 24 25 26 27 28	22 23 24 25 26 27 28	21 22 23 24 25 26 27
29 30 31	29 30	28 29 30 31
NOV.	MAY	NOV.
. 1 2 3 4 1 2 3 4 5 1 2 3
5 6 7 8 9 10 11	6 7 8 9 10 11 12	4 5 6 7 8 9 10
12 13 14 15 16 17 18	13 14 15 16 17 18 19	11 12 13 14 15 16 17
19 20 21 22 23 24 25	20 21 22 23 24 25 26	18 19 20 21 22 23 24
26 27 28 29 30	27 28 29 30 31	25 26 27 28 29 30 . .
DEC.	JUNE	DEC.
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3 4 5 6 7 8 9	3 4 5 6 7 8 9	2 3 4 5 6 7 8
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17 18 19 20 21 22 23	17 18 19 20 21 22 23	16 17 18 19 20 21 22
24 25 26 27 28 29 30	24 25 26 27 28 29 30	23 24 25 26 27 28 29
31	30 31

UNIVERSITY CALENDAR 1905-6

1905

- SEPTEMBER 6. *Wednesday.* Annual Meeting of the Corporation
(first Wednesday in September).
- SEPT. 14, 15, 16, 18. *Thursday, Friday, Saturday, and Monday.* Examinations for admission to the Freshman class and to advanced standing.
- SEPTEMBER 19. *Tuesday.* Last day for registration and enrolment of Undergraduates.
- SEPTEMBER 20. *Wednesday.* ACADEMIC YEAR BEGINS.
- SEPTEMBER 20. *Wednesday.* Last day for registration of Graduate students.
- SEPTEMBER 30. *Saturday.* Examination in Greek for the President's Premiums.
- OCTOBER 4. *Wednesday.* Examination in Latin for the President's Premiums.
- OCTOBER 7. *Saturday.* Examination in Mathematics for the Hartshorn Premiums.
- OCTOBER 11. *Wednesday.* Examination in French for the President's Premiums.
- NOV. 30-DEC. 2. *Thursday to Saturday.* THANKSGIVING RECESS.
- DECEMBER 14-22. *Thursday to Friday.* Term examinations.
- DEC. 23, 1905 to }
JANUARY 2, 1906. } *Saturday to Tuesday.* CHRISTMAS RECESS.

1906

- JANUARY 2. *Tuesday.* Last day for enrolment of Undergraduates.
- JANUARY 3. *Wednesday.* SECOND TERM BEGINS.
- JANUARY 22. *Monday.* Last day for receiving essays for the Class of 1880 Prizes.
- JANUARY 25. *Thursday.* Preliminary Competition for the Class of 1880 Prizes.
- FEBRUARY 6. *Tuesday.* Final Competition for the Class of 1880 Prizes.

FEBRUARY 22.	<i>Thursday.</i> WASHINGTON'S BIRTHDAY. No University exercises.
MARCH 15-21.	<i>Tuesday to Wednesday.</i> Term examinations.
MARCH 22-28.	<i>Thursday to Wednesday.</i> SPRING RECESS.
MARCH 28.	<i>Wednesday.</i> Last day for enrolment of Undergraduates.
MARCH 29.	<i>Thursday.</i> THIRD TERM BEGINS.
MARCH 30.	<i>Friday.</i> Last day for receiving essays submitted in competition for the Gaston Prize Medal.
APRIL 10.	<i>Tuesday.</i> Last day for receiving essays submitted in competition for the Mohonk Prize.
APRIL 24.	<i>Tuesday.</i> Mohonk Prize Debate.
APRIL 30.	<i>Monday.</i> Last day for receiving theses of candidates for the degree of Doctor of Philosophy.
MAY 8.	<i>Tuesday.</i> Carpenter Prize Speaking Contest.
MAY 15.	<i>Tuesday.</i> Gaston Prize Medal Competition.
MAY 22.	<i>Tuesday.</i> Hicks Prize Debate.
MAY 30.	<i>Wednesday.</i> MEMORIAL DAY. No University exercises.
MAY 31.	<i>Thursday.</i> Last day for examinations for advanced degrees.
JUNE 1.	<i>Friday.</i> Last day for registration of Undergraduates for 1906-7.
JUNE 7-15.	<i>Thursday to Friday.</i> Term examinations.
JUNE 17.	<i>Sunday.</i> Baccalaureate Sermon: First Baptist Meeting House, 4.30 p.m.
JUNE 18.	<i>Monday.</i> CLASS DAY.
JUNE 19.	<i>Tuesday.</i> Annual Meeting of the Phi Beta Kappa Society: 5 University Hall, 9.30 a.m.
JUNE 19.	<i>Tuesday.</i> IVY DAY: Pembroke Hall.
JUNE 19.	<i>Tuesday.</i> Annual Meeting of the Associated Alumni: Manning Hall, 2 p.m.

- JUNE 19. *Tuesday.* Oration before the Associated Alumni: Sayles Memorial Hall, 4 p.m.
- JUNE 20. *Wednesday.* ONE HUNDRED AND THIRTY-EIGHTH ANNUAL COMMENCEMENT (third Wednesday in June): First Baptist Meeting House, 10 a.m.
- JUNE 21. *Thursday.* Meeting of the Corporation.
- JUNE 21, 22, 23, 25. *Thursday, Friday, Saturday, and Monday.* Examinations for admission to the Freshman class and to advanced standing.
- JUNE 21 to SEPT. 19. SUMMER VACATION.
- SEPTEMBER 5. *Wednesday.* Annual Meeting of the Corporation (first Wednesday in September).
- SEPT. 13, 14, 15, 17. *Thursday, Friday, Saturday, and Monday.* Examinations for admission to the Freshman class and to advanced standing.
- SEPTEMBER 17, 18. *Monday and Tuesday.* Registration of new students, and enrolment of students previously in residence.
- SEPTEMBER 19. *Wednesday* (third Wednesday in September). ACADEMIC YEAR BEGINS.

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THURSTON MASON PHETTEPLACE, PH.B., M.E. <i>Instructor in Mechanical Engineering</i>	1612 Broad Street
GEORGE WARRINGTON LATHAM, A.B. <i>Instructor in English</i>	11½ John Street
FRANK TAYLOR FULTON, Sc.B., M.D. <i>Instructor in Pathology and Histology</i>	169 Angell Street
MICHAEL XAVIER SULLIVAN, PH.D. <i>Instructor in Physiology</i>	6 Brunonia Hall
CHARLES HERMAN HUNKINS, A.B. <i>Instructor in French</i>	101 Waterman Street
VAHAN SIMON BABASINIAN, A.M. <i>Instructor in Chemistry</i>	Rogers Hall
MARION LYDIA SHOREY, PH.B. <i>Instructor in Physiology and Household Economics in the Women's College</i>	17 Waterman Street
CHARLES WILSON BROWN, A.M. <i>Instructor in Geology</i>	6 Brunonia Hall
ERNEST TROWBRIDGE PAINE, A.M. <i>Instructor in Greek</i>	23 Illinois Street, Central Falls
HENRY BERNARDIN DROWNE, C.E. <i>Instructor in Civil Engineering</i>	20 Benefit Street
ARTHUR UPHAM POPE, A.B. <i>Instructor in Philosophy</i>	32 Caswell Hall
WILLIAM KIRK, PH.D. <i>Instructor in Political Economy</i>	31 Caswell Hall
WALTER CLARKE PHILLIPS, A.M. <i>Instructor in English</i>	155 Benefit Street
HOWARD BRISTOL GROSE, JR., PH.B. <i>Instructor in English</i>	30 Caswell Hall
EDGAR LOUIS ASHLEY, A.M. <i>Assistant in German</i>	Foxboro, Mass.

OFFICERS OF ADMINISTRATION AND INSTRUCTION 17

WILLIAM DAY APPLETON, M.E. <i>Assistant in Mechanical Engineering</i>	209 Angell Street
RAYMOND DAVIS CADY, A.B. <i>Assistant in Chemistry</i>	155 Shaw Avenue, Edgewood
CHARLES STUART MITCHELL, A.B. <i>Assistant in English</i>	27 Caswell Hall
GEORGE RUPERT MacMINN, A.B. <i>Assistant in English</i>	27 Caswell Hall
GEORGE BARROWS OBEAR, Sc.M. <i>Assistant in Mathematics</i>	303 Benefit Street
FRANK ARTHUR BURR, M.E. <i>Assistant in Mechanical Drawing</i>	Seekonk, Mass.
GUY BLANDIN COLBURN, A.M. <i>Assistant in Greek</i>	117 Waterman Street
LOUIS EARLE ROWE, Ph.B. <i>Assistant in Art</i>	Shawomet Beach
RICHARD OWEN DUMMER, A.M. <i>Assistant in Chemistry</i>	433 Maxcy Hall
JAY PERKINS, M.D. <i>Demonstrator in Anatomy</i>	106 Waterman Street
JOHN COMBE PEGRAM, Jr., A.B., M.D. <i>Demonstrator in Anatomy</i>	279 Benefit Street
THERON CLARK, A.B. <i>Assistant Registrar</i>	153 Benefit Street
EMMA BRADFORD STANTON, A.M. <i>Registrar of the Women's College</i>	Bristol
JESSIE RICHARDS ADAMS <i>Instructor in Physical Culture in the Women's College</i>	30 Congdon Street
HENRY DEWEES CADY <i>Instructor in Shop Practice</i>	Warren
EDWIN AYLSWORTH BURLINGAME <i>Superintendent of Grounds and Buildings</i>	359 Brook Street
GEORGE WARREN GARDNER, A.B., M.D. <i>Physician to the University</i>	263 Benefit Street
JOHN MILTON BURNHAM, A.M. <i>Assistant Librarian</i>	60 Stewart Street
EARL NORTHUP MANCHESTER, A.B. <i>Reference Librarian</i>	66 Meeting Street
EARL WHITNEY BROWNING, Ph.B. <i>Second Assistant Librarian</i>	8 Hope College

JESSIE MAY DOUGLASS, A.B. <i>Cataloguer</i>	55 Waterman Street
HELEN CHAPMAN WEBSTER <i>Assistant Cataloguer</i>	10 Hopkins Street
MAUDE EVELYN CLARKE COVELL, A.B. <i>Cataloguer of the John Carter Brown Library</i>	127 Benefit Street
MARY DREW VAUGHAN, Ph.B. <i>Keeper of Graduate Records</i>	150 Pitman Street
CLARENCE SAUNDERS BRIGHAM, A.B. <i>Archivist</i>	95 Waterman Street
JOHN EDWARDS <i>Assistant in the Ladd Observatory</i>	210 Doyle Avenue

STANDING COMMITTEES OF THE FACULTY

ON REGISTRATION AND ATTENDANCE

Dean MEIKLEJOHN, Professors UPTON, RANDALL, DELABARRE, and FOWLER,
Dean KING, Mr. GUILD.

ON THE CURRICULUM

Professors POLAND, DAVIS, GARDNER, LANGDON, RANDALL, BRONSON,
EVERETT, MEAD, MEIKLEJOHN and MACDONALD, Mr. GUILD.

ON ATHLETIC AND OTHER STUDENT ORGANIZATIONS

Professors DELABARRE, LANGDON, POTTER, BENEDICT, and MARVEL.

ON STUDENT ADVISERS

Professors POTTER, GREENE, CROSBY, and WILLIAMS.

OFFICE HOURS

PRESIDENT: WILLIAM HERRBERT PERRY FAUNCE, A.M., D.D., LL.D.

7 Administration Building: 11.30 a. m. to 12.30 p. m., Tuesday, Wednesday,
Thursday, Friday.

DEAN OF THE UNIVERSITY: ALEXANDER MEIKLEJOHN, Ph.D.

5 Administration Building: 9.50 to 10.50 a. m.

DEAN OF THE GRADUATE DEPARTMENT: CARL BARUS, Ph.D.

5 Wilson Hall: 11.20 a. m. to 12.20 p. m., 3.20 to 4.20 p. m.

DEAN OF THE WOMEN'S COLLEGE: LIDA SHAW KING, A.M.

Pembroke Hall, Meeting Street: 9.25 to 10.25 a. m.

REGISTRAR, AND SECRETARY OF THE FACULTY

FREDERICK TAFT GUILD, A.M.

4 Administration Building: 3.30 a. m. to 1 p. m., 2.30 to 4 p. m.

LIBRARIAN: HARRY LYMAN KOOPMAN, A.M.

The Library: *9 to 10 a. m., 3 to 4 p. m.*

SECRETARY OF THE TEACHERS' BUREAU

WALTER BALLOU JACOBS, A.M.

10 Administration Building: *1.30 p. m., Monday, Wednesday, and Friday;
10 a. m., Saturday.*

SUPERINTENDENT OF GROUNDS AND BUILDINGS

EDWIN AYLSWORTH BURLINGAME

1 University Hall: *8 to 9 a. m., 1.15 to 2.15 p. m.*

HISTORY OF BROWN UNIVERSITY

A GENERATION before the establishment of any institution of higher education in Rhode Island, Dean (afterwards Bishop) Berkeley, in pursuance of his cherished design of planting a Christian college in America, chose this colony as his place of residence. Here, at Newport or in its vicinity, he lived for nearly three years, from 1729 to 1731. At the close of this period it became evident that the money which had been voted for the project by the House of Commons would not be paid, and Berkeley reluctantly abandoned his project and returned to England. Though he had no direct relation to the college afterwards established, yet he inspired an interest in higher education among the colonists and thus made easier the success of the later undertaking.

In 1762 the Philadelphia Baptist Association, in view of the disabilities attaching to Baptist students in most of the existing American colleges, welcomed a proposal offered by the Reverend Morgan Edwards, a clergyman of Welsh birth, at that time pastor of the First Baptist Church in Philadelphia, to found in Rhode Island a college that should be under the control of their own denomination. James Manning, who had just been graduated from Princeton, was appointed by the Association as its agent to establish "a seminary of polite literature subject to the government of the Baptists."

In deciding upon the location of the new college, a canvass of the colonies had shown the advantages to be clearly on the side of Rhode Island, which recognized absolute religious liberty, and was, moreover, a Baptist colony in origin and popular attachment. There was no rival institution in the field; and the important cities of Newport and Providence, the former being the second city in New England, furnished an encouraging prospect of future support. Accordingly, in 1764, the friends of the movement obtained from the General Assembly the charter which still remains in force. Although, under the rules of the charter, the President and a majority of both the Fellows and the Trustees must be Baptists, the three important positions of Chancellor, Secretary, and Treasurer are without denominational restriction, and all religious tests and sectarian instruction are strictly prohibited. The institution was known during the first forty years of its existence as Rhode Island College.

As the College was at the beginning without funds, and only a scanty return could be expected from students' fees, it was necessary that the president should support himself and his family by some other means. The founding of a Baptist church in Warren and the call of Mr. Manning to its pastorate offered a solution of the difficulty; and hither Mr. Manning brought his family in the spring of 1764. His first act towards the establishment of a college was the opening of a Latin school. This preparatory school was later removed with the College to Providence, where it flourished for a hundred and forty years under the name of the University Grammar School. At the second meeting of the Corporation, September 4, 1765, Mr. Manning was formally appointed "president of the College, professor of languages and other branches of learning;" the first student had been matriculated the day before. In the following year David Howell was appointed tutor, but no other addition was made to the Faculty until 1774. In 1769 the first class (of seven members) was graduated at Warren. This town had not generally been regarded as the permanent seat of the College, and the necessity which now arose of erecting a college building compelled a final choice of location. After a spirited contest for the honor among the leading towns of the colony, the choice fell upon Providence. Here in 1770 the first college building, the present University Hall, modeled after Nassau Hall at Princeton, and a house for the president were both built on the college grounds, the cost being covered by subscriptions, chiefly from residents of Providence.

In 1771 President Manning was called to the pastorate of the First Baptist Church in Providence; he served the church in this capacity, in addition to his college duties, from that date until the close of his life. In December, 1776, the work of the College was interrupted by the Revolutionary War, and it was not resumed until the fall of 1782, University Hall being used meanwhile as a barrack and hospital for the combined American and French troops. Upon the reorganization of the College important additions were made to the library and the philosophical apparatus. The first college funds, amounting to \$4500, were collected in England and Ireland by the Reverend Morgan Edwards in 1767-8. In the next two years the Reverend Hezekiah Smith obtained subscriptions amounting to \$2500 in South Carolina and Georgia. The former contribution was made a permanent fund; the latter was expended in the construc-

tion of the college buildings. Further gifts were received for a time from the Philadelphia, Charleston, and Warren Baptist Associations, but they appear to have ceased with the outbreak of the Revolutionary War. In 1791, after twenty-nine years of service as founder and director of Rhode Island College, President Manning died. The College had become firmly established, with a graduate roll of one hundred and forty-nine; the last graduating class, that of 1790, had numbered twenty-two. At the time of his death the Faculty consisted of the president, four professors, and two tutors. The discipline during this period had been strict and paternal, the officers of instruction living under the same roof with the students and making frequent visits of inspection to their rooms. President Manning at first taught all the branches studied, but was designated professor of languages, afterwards of moral philosophy. David Howell, his assistant, taught mathematics and natural philosophy, and is said to have taught also French, German, and Hebrew. He was appointed professor of natural philosophy in 1769, and of law in 1790, but never taught the latter subject. Benjamin Waterhouse was appointed professor of natural history in 1784; and Benjamin West, professor of mathematics and astronomy in 1786.

The successor of President Manning was the Reverend Jonathan Maxcy, a graduate in the class of 1787, who had been professor of divinity 1791-2. He served from 1792 until 1802, when he resigned his office to accept the presidency of Union College. During the last year of his administration at Rhode Island College a class numbering twenty-eight was graduated.

The third president of the College, the Reverend Asa Messer, a graduate in the class of 1790, who had served as professor of learned languages 1796-9, and of mathematics and natural philosophy 1799-1802, directed the affairs of the institution from 1802 until his resignation in 1826. During his presidency of twenty-four years the College was greatly expanded. A class numbering forty-eight was graduated in 1825, the Faculty in that year consisting of the president, nine professors, and two tutors. A medical school was established, which existed from 1811 until 1828 and sent out eighty-seven graduates. The special professorships created for the medical school were: *materia medica* and botany, 1811; anatomy and surgery, 1811; chemistry, 1811; theory and practice of medicine, 1815. A professor of moral philosophy and metaphysics was appointed in 1811; one of oratory and *belles-lettres* in 1815; and one of the Latin and

Greek languages and literature in 1825. In 1826 the permanent funds of the University amounted to \$31,300.

In 1792 Nicholas Brown, a graduate in the class of 1786, gave \$500 with which to purchase law books for the Library. In 1804 he endowed a professorship of oratory and belles-lettres. In the same year the name of the institution was changed in his honor to Brown University. In 1822 Mr. Brown built Hope College at his own expense, and in 1840 Manning Hall and the second president's house. The last-named building has been used since 1899 as a refectory. The total value of Mr. Brown's various gifts to the University was not less than \$160,000. Mr. Brown also served the University in a most efficient way as treasurer 1796-1825. He was trustee 1791-1825, and fellow from 1825 until his death in 1841.

The fourth president, the Reverend Francis Wayland, entered upon his official duties in 1827. He at once raised the standard of scholarship and gradually increased the scope of the instruction. He finally accomplished an entire reorganization of the University on the basis of the elective principle. In accordance with this "New System," the bachelor's degree was given for a three years' course and the master's degree for a four years' course. Graduate study and special study were both encouraged; and the sciences, in accordance with the spirit of the charter, were made prominent in the curriculum. This system was not put into operation until 1850, and was fully in force only until his retirement five years later. The increase in the scope of the curriculum during President Wayland's administration is clearly shown in the following list of subjects to which professors or instructors were assigned at the dates annexed: chemistry, physiology, and geology, 1834; moral and intellectual philosophy, 1834; belles-lettres, 1835; rhetoric, 1837; Hebrew literature, 1838; modern languages and literature, 1843; Greek, 1843; Latin, 1844; French, 1844; history and political economy, 1850; natural philosophy and civil engineering, 1850; chemistry applied to the arts, 1850; rhetoric and English literature, 1851; didactics (*i. e.*, pedagogy), 1851; analytical chemistry, 1854. The influence of President Wayland was felt, not in an increase of the number of students, but in an elevation of the intellectual and moral tone of the institution. Discipline, which had grown lax, was strictly enforced. During his administration the college grounds were laid out, and the Library was placed on a sound financial basis. Rhode Island Hall was erected in 1840 from sub-

scriptions by Rhode Island men and women. The permanent funds were increased to \$200,000. Dr. Wayland resigned the presidency in 1855, having won for the University, by his fame as a writer, thinker, and educational reformer, an enviable distinction both at home and abroad.

The fifth president of the University, the Reverend Barnas Sears, a graduate in the class of 1825, held office from 1855 until 1867, when he resigned the presidency to become general agent of the Peabody Education Fund. During his incumbency the only new subject added to the curriculum was physical geography, in 1864. Although the term of President Sears covered the financial crisis of 1857 and the Civil War, a notable increase was made both in the funds and in the number of students. A system of scholarships was established, and over \$220,000 was collected in subscriptions. The Chemical Laboratory was built in 1862. In the last class that entered under President Sears seventy-three students were enrolled. Three hundred graduates and students of Brown entered the Union service, 1861-5. Of these twenty-one laid down their lives.

The Reverend Alexis Caswell, a graduate in the class of 1822, was the sixth president of the University, his term covering the years 1868-72. Under his administration the department of physics was organized, and the endowment was increased from \$365,000 to a sum exceeding \$550,000.

Upon the resignation of Dr. Caswell, the Reverend Ezekiel Gilman Robinson, a graduate in the class of 1838, became president. Dr. Robinson's presidency extended over the seventeen years 1872-1889. This period was marked by a further increase in the attendance, the class of 1889 being graduated with a membership of fifty-six. The following subjects were added to the curriculum, or were emphasized by the appointment of separate instructors: special branches of agriculture, 1872; zoölogy and agriculture, 1874; physiology, 1874; botany, 1877; zoölogy and geology, 1878; elocution, 1880; astronomy, 1884; logic, 1886; history, 1888; political economy, 1888. The funds were increased to \$980,000, and important additions were made to the buildings. Rhode Island Hall was enlarged in 1875. The Library, the gift of John Carter Brown, of the class of 1816, was built in 1878, and Slater Hall, the gift of Horatio Nelson Slater, in 1879. Sayles Hall, the gift of William Francis Sayles, a memorial to his son, William Clark Sayles, a member of the class of 1878, was built in 1881. University Hall, which had been renovated

in 1850, was again renovated in 1883. Dr. Robinson recognized the fact that a great opportunity for a university existed at Brown, and, though he was not able fully to realize his purposes, he prepared the way for the great enlargement of the institution under his successor. Besides the addition of various courses, a beginning was made in systematic graduate instruction. Dr. Robinson resigned the presidency in 1889.

The eighth president of the University was the Reverend Elisha Benjamin Andrews, a graduate in the class of 1870. With his accession in 1889 the modern life of the University properly begins. In the year preceding his presidency three graduate students were enrolled; in the last year of his term of service the graduate students numbered 101, the total number of students for the same years being, respectively, 268 and 860. The officers of instruction for the corresponding years increased in number from twenty-two to seventy-three. All the old departments were expanded, and the number of departments was increased from sixteen in 1889-90 to twenty-five in 1897-8. The department of philosophy was enlarged by the addition of psychology and pedagogy. American and European history were assigned to separate professors, and political economy was made a department. The departments of Greek literature and history, Roman literature and history, English literature and language, Germanic languages and literatures, and Romance languages and literatures were reorganized and extended. Rhetoric and oratory were made an independent department. The departments of mathematics, mechanical engineering, astronomy, physics (including electrical engineering), chemistry, zoölogy, geology, and anthropology, and botany were extended in scope and thoroughness. New departments were formed for the subjects of social and political science including law, fine arts including the history of art and music, Indo-European philology, Biblical literature and history including the Semitic languages and New Testament Greek, mechanical drawing, civil engineering, comparative anatomy, military science and tactics, and bibliography.

The museum of fine arts was founded in 1889, and that of anthropology in 1891. The funds were increased to \$1,125,685, and important additions were made to the buildings and grounds. In 1891 Hope College was renovated; Wilson Hall, the bequest of George Francis Wilson, was built; the Ladd Observatory was presented to the University by the Honorable Herbert W. Ladd; and the Lyman

Gymnasium, named in honor of its principal donor, was erected. Maxey Hall was built in 1895. Three buildings, known as the Howell, Messer, and Brown Street houses were also secured for dormitory purposes. The old playground of the University, now known as Lincoln Field, was graded and fitted up for ball-games and other athletic purposes in 1889. In 1898 a new athletic field was laid out on Camp Street, a mile and a half from the University. In 1891 the Grand Army of the Republic Fellowship Fund of \$10,000 was given to the University by the Rhode Island Department of that organization.

The Women's College was founded in October, 1891. At first only the privileges of University examinations and certificates of proficiency were granted. In June, 1892, all the College and University degrees and the graduate courses were opened to women. In November, 1897, the institution was accepted by the Corporation and officially designated the Women's College in Brown University. The immediate charge of this department, as of all others in the University, is in the hands of the Corporation. All instruction is given by members of the University Faculty. Pembroke Hall, which was built by the Rhode Island Society for the Collegiate Education of Women, was formally transferred to the University in October, 1897, and was accepted as the recitation hall of the Women's College.

In 1898 Dr. Andrews resigned the presidency to become Superintendent of Schools in Chicago. Dr. Benjamin Franklin Clarke, the senior member of the Faculty, who had served as president *pro tempore* during the absence of Dr. Andrews in Europe in 1896-7, was appointed president *ad interim*, and served during the academic year 1898-9.

The ninth president of the University is the Reverend William Herbert Perry Faunce, a graduate in the class of 1880, who entered upon his official duties on Commencement Day, 1899. At Commencement, 1900, announcement was made of an addition of over a million dollars to the endowment of the University. To this was added a year later a second million, including the endowment of the John Carter Brown Library. In 1900 the Slater Memorial Homestead was presented by Mrs. Horatio N. Slater, as a home for the students of the Women's College. In 1901 the president's house was erected at the corner of Hope and Manning streets. In 1902 the Van Wickle Administration Building was completed, this structure as well as the gates opposite being the bequest of Augustus Stout Van Wickle, of

the class of 1876. In 1904 Rockefeller Hall, the gift of John D. Rockefeller, was opened for the use of the Brown Union, a social organization of students and alumni which was formed in that year. The building is provided with a maintenance fund raised by subscription. In the same year the Engineering Building, on Lincoln Field, Caswell Hall, a dormitory fronting on Thayer Street, and the Colgate Hoyt swimming-pool, the gift of Colgate Hoyt, were erected, and a great organ, the gift of Lucian Sharpe, of the class of 1893, was placed in Sayles Hall. In 1904 the John Nicholas Brown Gate was built as a memorial to the late John Nicholas Brown by his widow. In the same year the Carrie Tower, a clock tower, erected by Paul Bajnotti, of Turin, to the memory of his wife, Carrie Mathilde Brown, was presented to the University. Since 1901 an iron fence with brick and stone posts has been built around the front and the middle campus, each section having been contributed by or in memory of some class. The classes of 1872, 1884, and 1887 have contributed gates. In the summer of 1905 the exterior of University Hall was restored to its original appearance at the expense of Marsden J. Perry. In April, 1905, the funds of the University, exclusive of those pertaining to the John Carter Brown Library, amounted to \$2,988,866.

The Library of the University dates from 1767, when the Reverend Morgan Edwards collected books for it in England. The collection was at first kept in University Hall. It was removed to Manning Hall upon the completion of that building in 1835. In 1842 it contained ten thousand volumes, and in 1878, the date of its transference to the present building, it numbered forty-eight thousand volumes. The present number, including the books in the twelve department libraries, but not including the John Carter Brown Library, is about one hundred and forty thousand volumes. Upon the removal of the College to Providence in 1770 the professors and students enjoyed the hospitality of the Providence Library Company, now the Athenaeum, in extension of the scanty resources of the College Library. The Library of the Rhode Island Historical Society and the State Law Library have in later years been most valuable adjuncts to the University Library; and, since the opening of the Providence Public Library in 1878, members of the University have made constant use of its choice and readily available resources. The Library Fund, established under President Wayland, has been supplemented by ten special funds, devoted to the departments of

European history, United States history, mediaeval and church history, botany, the arts of design, biology, the classical languages and literatures, English literature, and American poetry. Gifts of one thousand dollars each were made to the Library in recent years by the classes of 1872, 1884, 1885, 1886, 1887, and 1888, and were of material assistance towards enabling the Library to meet the ever-growing demands made upon it by the work of the University. In 1884, by the will of the Honorable Henry B. Anthony, the Library came into possession of the Harris Collection of American Poetry numbering five thousand volumes, since increased to seven thousand. In 1901 there was presented to the University the John Carter Brown Library, unquestionably the most complete collection in the world on the history of the two Americas down to the end of the eighteenth century. The books were accompanied by gifts of \$500,000 as an endowment and \$150,000 for the erection of a building for their accommodation. The building was dedicated in May, 1904. In October, 1903, the University received by the gift of Marsden J. Perry the Sidney S. Rider Collection of manuscripts, books, and other material, forming a library of the first importance to students of the history of Rhode Island.

At the close of the one hundred and thirty-seventh Commencement of the University in 1905, there were enrolled the names of 6,077 graduates,—5,737 men and 338 women. Of this number 5,421 had received the College or University first degree; 86, exclusive of the foregoing, had received advanced degrees; 69, not previously reckoned, had received the degree of Doctor of Medicine; 601 others had received honorary degrees. Of the entire number, 3,274, or fifty-four per cent., were living.

THE CHARTER OF BROWN UNIVERSITY ‡

BY the Honorable the Governor and Company of the English Colony of Rhode Island and Providence Plantations in New England in America in General Assembly convened at East Greenwich within and for the Colony aforesaid on the last Monday in February One Thousand Seven Hundred and Sixty-four.

*Date of the
Charter*

Whereas Institutions for liberal Education are highly beneficial to Society by forming the rising Generation to Virtue, Knowledge, and useful Literature; and thus

Preamble

preserving in the Community a Succession of Men duly qualified for discharging the Offices of Life with Usefulness and Reputation; they have therefore justly merited and received the the Attention and Encouragement of every wise and well regulated State: And whereas a Public School or Seminary, erected for that Purpose within this Colony to which the Youth may freely resort for Education in the vernacular and learned Languages, and in the liberal Arts and Sciences would be for the general Advantage and Honor of the Government: And whereas Daniel Jenckes Esq; Nicholas Tillinghast Esq; Nicholas Gardiner Esq; Col. Josias Lyndon, Col.

*Petition of the
Undertakers*

Elisha Reynolds, Peleg Thurston Esq; Simon Pease Esq; John Tillinghast Esq; George Hazard Esq; Col. Job Bennet, Nicholas Easton Esq; Arthur Fenner Esq; Mr. Ezekiel Gardiner, Mr. John Waterman, Mr. James Barker Junr, Mr. John Holmes, Solomon Drown Esq; Mr. Samuel Winsor, Mr. Joseph Sheldon, Charles Rhodes Esq; Mr. Nicholas Brown, Col, Barzillai Richmond, Mr. John Brown, Mr. Gideon Hoxsey, Mr. Thomas Eyres, Mr. Thomas Potter, Jun. Mr. Peleg Barker, Mr. Edward Thurston, Mr. William Redwood, Joseph Clarke Esq; Mr. John G Wanton, and Mr. Thomas Robinson with many other Persons, appear as Undertakers in the valuable Design: And thereupon a Petition hath been preferred to this Assembly, praying that full Liberty and Power may be granted unto such of them, with others, as are hereafter

‡ With the exception of the marginal analysis and the notes, this reprint is an exact copy of the original charter engrossed on parchment, preserved in the archives of the University.

mentioned, to found, endow, order, and govern a College or University, within this Colony; and that, for the more effectual Execution of this Design, they may be incorporated into one Body Politic, to be known in the Law, with the Powers, Privileges, and Franchises, necessary for the Purpose aforesaid.

Now therefore know ye, That being willing to encourage

*Original Cor-
porators*

and patronize such an honorable and useful Institution, we the said Governor and Company, in General Assembly convened, Do, for ourselves and our Successors, in and by Virtue of the Power and Authority, within the Jurisdiction of this Colony, to us by the Royal Charter granted, and committed, Enact, Grant, Constitute, Ordain, and Declare, And it is hereby Enacted, Granted, Constituted, Ordained and Declared, That the Hon. Stephen Hopkins Esq; the Hon. Joseph Wanton Jun. Esq; the Hon. Samuel Ward Esq; the Hon. William Ellery Esq; John Tillinghast Esq; Simon Pease Esq; James Honyman Esq; Nicholas Easton Esq; Nicholas Tillinghast Esq; Darius Sessions Esq; Joseph Harris Esq; Francis Willet Esq; William Logan Esq; Daniel Jenckes Esq; George Hazard Esq; Nicholas Brown Esq; Jeremiah Niles Esq; Joshua Babcock Esq; Mr. John G Wanton, the Rev. Edward Upham, the Rev. Jeremiah Condy, the Rev. Marmaduke Brown, the Rev. Gardner Thurston, the Rev. Ezra Stiles, the Rev. John Greaves, the Rev. John Maxson, the Rev. Samuel Winsor, the Rev. John Gano, the Rev. Morgan Edwards, the Rev. Isaac Eaton, the Rev. Samuel Stillman, the Rev. Samuel Jones, the Rev. James Manning, the Rev. Russel Mason, Col. Elisha Reynolds, Col. Josias Lyndon, Col. Job Bennet, Mr. Ephraim Bowen, Joshua Clarke Esq; Capt. Jonathan Slade, John Taylor Esq; Mr. Robert Shettell Jones, Azariah Dunham Esq; Mr. Edward Thurston Junr. Mr. Thomas Eyres, Mr. Thomas Hazard, and Mr. Peleg Barker, or such, or so many of them as shall, within Twelve Months from the Date hereof, accept of this Trust, and qualify themselves as herein after directed, and their Successors, shall be forever hereafter One Body

Name

Corporate and Politic, in Fact and Name, to be known in Law by the Name of Trustees and Fellows of the College or University, in the English Colony of Rhode Island, and Providence Plantations in New England, in America; the Trustees and Fellows at any Time hereafter, giving such more particular Name to the Col-

lege, in Honor of the greatest and most distinguished Benefactor, ‡ or otherwise, as they shall think proper: Which Name, so given, shall, in all Acts, Instruments and Doings of said Body Politic, be superadded to their Corporate Name aforesaid, and become a Part of their legal Appellation by which it shall be forever known and distinguished: And that, by the same Name, they and their Successors, chosen by themselves as here- *Powers of Corporation* after prescribed, shall, and may, have perpetual Succession; and shall, and may be Persons able and capable, in the Law, to sue and be sued, to plead and to be impleaded, to answer and to be answered unto, to defend and to be defended against, in all and singular Suits, Causes, Matters, Actions and Doings, of what Kind soever: And also to have, take, possess, purchase, acquire, or otherwise receive and hold Lands, Tenements, Hereditaments, Goods, Chattles, or other Estates; of all which they may, and shall stand and be seized, notwithstanding any Misnomer of the College, or the Corporation thereof; and by whatever Name, or however imperfectly the same shall be described in Gift, Bequests, and Assignments, provided the true Intent of the Assignor or Benefactor be evident:

‡ *The following is an extract from the records of a meeting of the Corporation held September 6, 1804:*

A LETTER from Mr. Nicholas Brown, dated on this present day, having been read in the following words, to—wit:

Gentlemen:

PROVIDENCE, September 6, 1804.

IT is known to you that I have long had an attachment to this institution as the place where my deceased brother Moses and myself received our education. This attachment derives additional strength from the recollection that my late honored Father was among the earliest, and most zealous patrons of the College; and is confirmed by my regard to the cause of Literature in general. Under these impressions I hereby make a donation of Five Thousand Dollars to Rhode Island College, to remain in perpetuity as a fund for the establishment of a Professorship of Oratory and Belles Lettres. The money will be paid next Commencement and is to be vested in such funds as the Corporation shall direct for its augmentation to a sufficiency in your judgment to produce a competent annual Salary for the within mentioned Professorship.

I am very respectfully, Gentlemen, with my best wishes for the prosperity of the College, your obedient friend,

NICHOLAS BROWN.

Honored Corporation of Rhode Island College.

IT is therefore voted: That the thanks of this Corporation be presented to Mr. Nicholas Brown for the aforesaid Donation, and it is further Voted, That this College be called and known in all future time by the Name of Brown University in Providence in the State of Rhode Island and Providence Plantations.

Also the same to grant, demise, aliene, lease, use, manage and improve according to the Tenor of the Donations, and to the Purposes,

To found, Trusts, and Uses to which they shall be seized thereof.
 And full Liberty, Power, and Authority is hereby granted unto the said Trustees and Fellows, and their Successors, to found a College, or University, within this Colony, for promoting the liberal Arts, and universal Literature: And with
endow the Monies, Estates, and Revenues, of which they shall from Time to Time become legally seized as aforesaid, to endow the same: And erect the necessary Buildings and Edifices thereof on such Place within this Colony as they shall think
and govern convenient: And generally to regulate, order, and
the College govern the same, appoint officers, and make Laws, as herein after prescribed; and hold, use, and enjoy all the Liberties, Privileges, Exemptions, Dignities and Immunities, enjoyed by any College, or University, whatever.

And furthermore, That the said Trustees and Fellows, and their Successors, shall, and may, forever hereafter
Seal have a Publick Seal to use for all Causes, Matters, and Affairs, whatever, of them and their Successors, and the same Seal to alter, break, and make anew, from Time to Time, at their Will and Pleasure; which Seal shall always be deposited with the President, or Senior Fellow.

And furthermore, By the Authority aforesaid, It is hereby Enacted, Ordained and Declared, That it is now,
Corporation and at all Times hereafter shall continue to be the
with two unalterable Constitution of this College, or University,
branches that the Corporation thereof shall consist of Two Branches, to wit: That of the Trustees, and that of the Fellowship, with distinct, separate, and respective Powers: And that the Number of the Trustees shall, and may be Thirty-six; of which
Number and Twenty-two shall forever be elected of the Denomination
denomination called Baptists, or Antipædobaptists; Five
of the Trustees shall forever be elected of the Denomination called Friends, or Quakers; Four shall forever be elected of the Denomination called Congregationalists, and Five shall forever be elected of the Denomination called Episcopalians: And that the Succession in this Branch shall be forever chosen and filled up from the respective Denominations in this Proportion, and according to these Num-

bers; which are hereby fixed, and shall remain to Perpetuity immutably the same. And that the said Stephen Hopkins, Joseph Wanton, Samuel Ward, William Ellery, John Tillinghast, Simon Pease, James Honyman, Nicholas Easton, Nicholas Tillinghast, Darius Sessions, Joseph Harris, Francis Willett, Daniel Jenckes, George Hazard, Nicholas Brown, Jeremiah Niles, John G. Wanton, Joshua Clarke, Gardner Thurston, John Greaves, John Maxson, John Gano, Samuel Winsor, Isaac Eaton, Samuel Stillman, Russel Mason, Elisha Reynolds, Josias Lyndon, Job Bennet, Ephraim Bowen, John Taylor, Jonathan Slade, Robert Shettell Jones, Azariah Dunham, Edward Thurston Junr, and Peleg Barker, or such, or so many of them as shall qualify themselves as aforesaid, shall be, and they are hereby declared and established the first and present Trustees. And that the Number of the Fellows, inclusive of the President (who shall always be a Fellow) shall and may be Twelve; of which Eight shall be forever elected of the Denomination called Baptists, or Antipædobaptists; and the rest indifferently of any or all Denominations. And that the Rev. Edward Upham, the Rev. Jeremiah Condry, the Rev. Marmaduke Brown, the Rev. Morgan Edwards, the Rev. Ezra Stiles, the Rev. Samuel Jones, the Rev. James Manning, William Logan Esq; Joshua Babcock Esq; Mr Thomas Eyres, and Mr. Thomas Haszard, or such, or so many of them as shall qualify themselves as aforesaid, shall be, and they are hereby declared the first and present Fellows and Fellowship, to whom the President, when hereafter elected, (who shall forever be of the Denomination called Baptists or Antipædobaptists) shall be joined to compleat the Number.

Original Trustees

Number and denomination of the Fellows

Original Fellows

And furthermore, It is Declared and Ordained, That the Succession in both Branches, shall at all Times hereafter be filled up and supplied according to these Numbers, and this established and invariable Proportion from the respective Denominations by the separate Election of both Branches of this Corporation, which shall at all Times sit and act by separate and distinct Powers: And in general, in Order to the Validity and Consummation of all Acts, there shall be in the Exercise of their respective separate and distinct Powers, the joint Con-

Relative numbers always the same

Concurrent action of Trustees and Fellows

currence of the Trustees and Fellows, by their respective Majorities, except in adjudging and conferring the Academical Degrees, which shall forever belong, exclusively, to the Fellowship as a learned Faculty.

And furthermore, It is Constituted, That the Instruction and immediate Government of the College shall forever be, and rest in the President and Fellows or Fellowship.

And furthermore, It is Ordained, That there shall be a general Meeting of the Corporation on the First Wednesday in September annually, within the College Edifice, and until the same be built, at such Place as they

shall appoint, to consult, advise and transact the Affairs of the College or University: At which or at any other Time, the Public Commencement may be held and celebrated. And that on any special Emergencies, the President, with any Two of the Fel-

lows, or any Three of the Fellows, exclusive of the President, may convoke, and they are hereby empowered to convoke an Assembly of the Corporation on Twenty Days Notice: And that in all Meetings, the major Vote of those present

of the Two Branches respectively, shall be deemed their respective Majorities aforesaid: Provided, That

not less than Twelve of the Trustees, and Five of the Fellows, be a Quorum of their respective Branches. That the President, or, in

his Absence, the Senior Fellow present, shall always be Moderator of the Fellows: That the Corporation, at their annual Meetings, once in Three

Years, or oftener in Case of Death or Removal, shall, and may choose

a Chancellor of the University, and Treasurer, from among the Trustees, and a Secretary from among the Fellows: That the Nomination of the Chancellor shall be in the Trustees, whose Office shall be only to preside as a Moderator of the Trustees; and that in his Absence, the Trustees shall choose a Moderator for the

Time being, by the Name of Vice-Chancellor: and at any of their Meetings, duly formed as aforesaid, shall and may be elected a Trustee or Fellow, or Trustees, or Fellows, in the Room of those nominated in this

Charter, who may refuse to accept, or in the Room of those who may die, resign, or be removed.

*Vacancies to
be filled*

And furthermore, It is Enacted, Ordained and Declared,

That this Corporation, at any of their Meetings, regularly convened as aforesaid, shall and may elect and appoint the President and Professor of Languages, and the several Parts of Literature: And upon the

*Election of
President and
Professors*

Demise of him or them, or either of them, their Resignation or Removal from his or their Office, for Misdemeanor, Incapacity, or Unfaithfulness, (for which he or they are hereby declared removable by this Corporation) others to elect and appoint in their Room and Stead: And at such Meeting, upon the Nomination of the Fellows, to

elect and appoint Tutors, Stewards, Butlers, and all such other Officers usually appointed in Colleges or Universities, as they shall find necessary, and think fit to appoint for the promoting liberal Education,

*Appointment
of other offi-
cers*

and the well ordering the Affairs of this College; and them or any of them, at their Discretion to remove, and substitute others in their Places. And in Case any President, Trustee or Fellow, shall see Cause to change his religious Denomination, the Corporation is hereby empowered to declare his or their Place or Places vacant, and may

*Vacancy by
change of
denomination*

proceed to fill up it or them accordingly, as before directed, otherwise each Trustee and Fellow, not an Officer of Instruction, shall continue in his Office during Life, or until Resignation. And further, in Case either of the religious Denominations should decline taking a Part in this Catholic, comprehensive and liberal Institution, the Trustees and Fellows shall and may compleat their Number, by electing from their respective Denominations, always preserving their respective Proportions herein before prescribed and determined: And all Elections shall be by Ballot or

*Elections by
ballot*

written Suffrage: And that a Quorum of Four Trustees & Three Fellows may transact any Business, excepting placing the College Edifice, Election of Trustees, President, Fellows and Professors, that is to say, so that their Acts shall be of Force and Validity until the next annual Meeting, and no longer.

Minor quorum

And it is further Enacted and Ordained by the Authority aforesaid, That each Trustee and Fellow, as well those nominated in

this Charter, as all that shall hereafter be duly elected, shall, previous to their acting in a corporate Capacity, take the Engagement of Allegiance prescribed by the Law of this Colony, to his Majesty King George the Third, His Heirs and Rightful Successors to the Crown of Great-Britain, which Engagement shall be administered to the present Trustees and Fellows, by the Governor or Deputy-Governor of this Colony, and to those from Time to Time hereafter elected by their respective Moderators, who are hereby empowered to administer the same.†

And still more clearly to define and ascertain the respective Powers

*Laws of the
College*

of the Two Branches, on making and enacting Laws, It is further Ordained and Declared, That the Fellowship shall have Power, and are hereby empowered from Time to Time, and at all Times hereafter, to make, enact and publish all such Laws, Statutes, Regulations and Ordinances, with Penalties, as to them shall seem meet, for the successful Instruction and Government of said College or University, not contrary to the Spirit, Extent, true Meaning and Intention of the Acts of the British Parliament, or the Laws of this Colony; and the same Laws, Statutes and Ordinances to repeal: Which Laws, and the Repeals thereof, shall be laid before the Trustees, and with their Approbation shall be of Force and Validity, but not otherwise. And further

*Salaries of of-
ficers*

the Trustees and Fellows, at their Meetings afore-said, shall ascertain the Salaries of the respective Officers, and order the Monies assessed on the Students for Tuition, Fines and incidental Expenses, to be collected by the Steward, or such other Officer as they shall appoint to collect

*Audit of ac-
counts*

the same; and the same with their Revenues, and other College Estates in the Hands of the Treasurer, to appropriate in discharging Salaries and other College Debts: And the College Accounts shall be annually auditted and adjusted in the Meeting of the Corporation.

And furthermore, It is hereby Enacted and Declared, That

‡ September 4, 1782, the Corporation by vote omitted from the engagement the acknowledgment of allegiance to the British crown. The form of engagement has since been modified at various times; the present form is as follows: You [person's name] being elected a member of this Corporation to the place of [Fellow or Trustee] do solemnly engage true allegiance to bear to the United States of America, and faithfully to discharge the duties of your present appointment: And this engagement you make and give on the peril of the penalty of perjury.

into this liberal and catholic Institution shall never be admitted any religious Tests: But on the contrary, all the Members hereof shall forever enjoy full, free, absolute, and uninterrupted Liberty of Conscience: And that the Places of Professors, Tutors, and all other Officers, the President alone excepted, shall be free and open for all Denominations of Protestants: And that Youth of all religious Denominations shall and may be freely admitted to the equal Advantages, Emoluments and Honors of the College or University; and shall receive a like, fair, generous, and equal Treatment during their Residence therein, they conducting themselves peaceably, and conforming to the Laws and Statutes thereof. And that the public Teaching shall, in general, respect the Sciences; and that the Sectarian Differences of Opinions, shall not make any Part of the public and classical Instruction: Although all religious Controversies may be studied freely, examined and explained by the President, Professors, and Tutors, in a personal, separate and distinct Manner, to the Youth of any or each Denomination: And above all, a constant Regard be paid to, and effectual Care taken of, the Morals of the College.

No religious tests

And furthermore, for the Honor and Encouragement of Literature, we Constitute and Declare, the Fellowship aforesaid, a Learned Faculty; and do hereby give, grant unto, and invest them, and their Successors, with full Power and Authority, and they are hereby authorized and empowered, by their President, and in his Absence by the Senior Fellow, or One of the Fellows appointed by themselves at the anniversary Commencement, or at any other Times, and at all Times hereafter, to admit to, and confer any and all the learned Degrees, which can or ought to be given and conferred in any of the Colleges or Universities in America; or any such other Degrees of literary Honor as they shall devise, upon any and all such Candidates and Persons as the President and Fellows, or Fellowship, shall judge worthy of the Academical Honors: Which Power of conferring Degrees is hereby restricted to the learned Faculty, who shall or may issue Diplomas or Certificates of such Degrees, or confer Degrees by Diplomas, and authenticate them with the Public Seal of the Corporation, and the Hands of the President and Secretary, and of all the Professors, as Witnesses, and deliver them to the graduates as honorable and perpetual Testimonies.

Fellows to confer degrees

Diplomas granted

And furthermore, for the greater Encouragement of this Seminary of Learning, and that the same may be amply endowed and enfranchised with the same Privileges, Dignities, Exemption and Immunities enjoyed by the American Colleges, from taxation, and European Universities, We do Grant, Enact, Or-
 &c. dain, and Declare, And it is hereby Granted, Enacted, Ordained, and Declared, That the College Estate, the Estates, Persons, and Families of the President and Professors, for the Time being, lying and being within the Colony, with the Persons of the Tutors and Students, during their Residence at the College, shall be freed and exempted from all Taxes,† serving on Juries, and menial Services: And that the Persons aforesaid shall be exempted from

† *February 11, 1863, the Corporation voted as follows:*

WHEREAS the General Assembly of the State of Rhode Island at its present session on the 11th day of February 1863, has passed an Act the principal Section of which is in the following words viz: Section 1. The Corporation of Brown University in Providence consenting hereto that the estates, persons and families of the President and Professors for the time being, and their successors in office, shall not hereafter be freed and exempted from taxes for more than the amount of Ten Thousand dollars for each of such officers, his estates persons and family included.

And Whereas the Institution of Brown University, was established by its founders, was incorporated with liberal franchises by the State, has been maintained solely by private benefactions; all uniting for the same noble object, that is, to create and promote a seminary of religion and learning within this state whose beneficent influences should be diffused, at home and abroad through all time.

And Whereas those influences can, and will be most happily diffused and continued by a cordial good will and a harmonious coöperation between the General Assembly and citizens of this State and the University.

And Whereas the General Assembly by its Act aforesaid has expressed the opinion that the President and Professors should bear a portion of the burdens of taxation from which they are exempted by our charter, and has made the validity of its said Act to depend upon the consent of this Corporation thereto, thereby affirming and maintaining the inviolability of said Charter.

THEREFORE, in order to manifest our cordial compliance with a reasonable wish of the General Assembly as expressed in said Act, It is hereby Voted and declared by the Corporation of Brown University, that being authorized by the President and Professors of said University, this Corporation does in behalf of the President and Professors and in behalf of this Corporation consent to the said Act passed by the General Assembly of the State of Rhode Island at its present session, as aforesaid—and the Secretary of this Corporation is hereby instructed to file a copy of this vote under the seal of the Corporation and certified by himself in the Office of the Secretary of State, as proof of the consent of this Corporation thereto.

The above Report was accepted and the Vote was adopted unanimously.

bearing Arms, Impresses and Military Services, except in case of an Invasion.

And furthermore, for establishing the Perpetuity of this Corporation, and in Case that at any Time hereafter, through Oversight, or otherwise through Misapprehensions, and mistaken Constructions of the Powers, Liberties and Franchises herein contained, any Laws should be enacted, or any Matters done and transacted by this Corporation contrary to the Tenor of this Charter, It is hereby Enacted, Ordained and Declared, That all such Laws, Acts, and Doings, shall be in themselves null and void: Yet, Nevertheless, the same shall not in any Courts of Law, or by the General Assembly, be deemed, taken, interpreted, or adjudged into an Avoidance, Defeazance or Forfeiture of this Charter: But that the same shall be, and remain unhurt, inviolate, and entire unto the said Corporation, in perpetual Succession: Which Corporation may, at all Times, and forever hereafter proceed and continue to act: And all their Acts, conformable to the Powers, Tenor, true Intent and Meaning of the Charter, shall be, and remain in full Force and Validity, the Nullity and Avoidance of any such illegal Acts to the contrary in any wise notwithstanding.

*Perpetuity of
the Corpora-
tion*

And lastly, We the Governor and Company aforesaid, Do, for ourselves and our Successors, forever hereby Enact, Grant and Confirm unto the said Trustees and Fellows, and to their Successors, That this Charter of Incorporation, and every Part thereof, shall be good and available in all Things in the Law, according to our true Intent and Meaning: And shall be construed, reputed, and adjudged in all Cases most favorably on the Behalf and for the best Benefit and Behoof of the said Trustees and Fellows, and their Successors, so as most effectually to answer the valuable Ends of this useful Institution.

*Charter for the
benefit of the
Corporation
and the Col-
lege*

In full Testimony of which Grant, and of all the Articles and Matters therein contained, the said Governor and Company do hereby order, That this Act shall be signed by the Governor and Secretary, and sealed with the Public Seal of this Colony, and registered in the Colony's Records: And that the same, or an Exemplification thereof, shall be

*Signed and
sealed*

a sufficient Warrant to the said Corporation to hold, use and exercise all the Powers, Franchises, and Immunities herein contained.

In Conformity to the above Act, SAMUEL WARD, ESQ; Governor, Captain-General, and Commander in Chief, of and over the Colony aforesaid doth hereunto subscribe his Name, and hath caused the Seal of said Colony to be affixed the Twenty-fourth Day of October One Thousand Seven Hundred and Sixty-five, and in the Fifth Year of the Reign of his Most Sacred Majesty George the Third by the Grace of God King of Great Britain, &c.

SAM: WARD

By His Honor's Command
EDWD THURSTON jun D: Secry.

ADMISSION TO THE UNIVERSITY

ADMISSION TO THE FRESHMAN CLASS

1. ADMISSION BY EXAMINATION

EXAMINATIONS for admission to the Freshman class are held in Wilson Hall on the Thursday, Friday, Saturday, and Monday next following Commencement in June, and also on the Thursday, Friday, Saturday, and Monday next preceding the beginning of the academic year in September. Candidates may be examined in all the subjects in June or in September, or in part in June and in the remainder in September. After 1907 no June examinations will be offered by Brown University. See the statement on page 42 relative to the examinations conducted by the College Entrance Examination Board.

Before taking any examination, candidates must present to the Registrar a letter of recommendation from the principal of their preparatory school and secure a card admitting them to the examinations. This may be done by correspondence, provided that the written application and the recommendation are received not less than one week before the first examination held.

If a candidate offers subjects in excess of those required for admission he may be examined in them at the times scheduled below and receive credit for them as college studies.

The order of the examinations in 1906 will be as follows :

THURSDAY, JUNE 21 and SEPTEMBER 13

Algebra, Wilson Hall 27, 8 a. m. to 10 a. m.

Plane Geometry, Wilson Hall 27, 10 a. m. to 12 m.

Elementary French, Wilson Hall 2, 1 p. m. to 3 p. m.

Advanced French, Wilson Hall 2, 4 p. m. to 6 p. m.

FRIDAY, JUNE 22 and SEPTEMBER 14

Elementary Greek, Wilson Hall 2, 8 a. m. to 10 a. m.

Advanced Greek, Wilson Hall 2, 10 a. m. to 11.30 a. m.

Astronomy, Wilson Hall 25, 8 a. m. to 10 a. m.

Physical Geography, Wilson Hall 25, 10 a. m. to 12 m.

Elementary Latin, Wilson Hall 25, 12.30 p. m. to 2.30 p. m.

Advanced Latin, Wilson Hall 25, 2.30 p. m. to 4 p. m.

English and American History, Wilson Hall 27, 4 p. m. to 6 p. m.

Freehand Drawing. Candidates will offer their plates for examination at Wilson Hall 2, at 2 p. m.

SATURDAY, JUNE 23 and SEPTEMBER 15

English, Wilson Hall 26, 8 a. m. to 10 a. m.

Chemistry, Wilson Hall 2, 11 a. m. to 1 p. m.

Solid Geometry, Wilson Hall 27, 2 p. m. to 4 p. m.

Plane Trigonometry, Wilson Hall 27, 4 p. m. to 6 p. m.

MONDAY, JUNE 25 and SEPTEMBER 17

Elementary German, Wilson Hall 2, 8 a. m. to 10 a. m.

Advanced German, Wilson Hall 2, 10 a. m. to 12 m.

Ancient History, Wilson Hall 25, 1 p. m. to 3 p. m.

Physics, Wilson Hall 1, 4 p. m. to 6 p. m.

Examinations conducted under the supervision of the College Entrance Examination Board will be accepted in place of the corresponding examinations conducted by Brown University. In 1906 these examinations will be held June 18-23.

All applications for such examinations must be addressed to the Secretary of the College Entrance Examination Board, Post Office Sub-Station 84, New York, and must be made upon a blank form to be obtained from the Secretary of the Board upon application. Applications for examination at points in the United States east of the Mississippi River, also at Minneapolis, St. Louis, and other points on the Mississippi River, must be received by the Secretary of the Board on or before Monday, June 4, 1906; applications for examination elsewhere in the United States or in Canada must be received on or before Monday, May 28, 1906; and applications for examination outside the United States and Canada must be received on or before Monday, May 14, 1906. Applications received later than the dates named will be accepted when it is possible to arrange for the examinations of the candidates concerned, but only upon the payment of \$5.00 in addition to the usual examination fee.

The examination fee is \$5.00 for all candidates examined at points in the United States and Canada, and \$15.00 for all candidates examined outside of the United States and Canada. The fee (which cannot be accepted in advance of the application) should be remitted by postal order, express order, or draft on New York, to the order of the College Entrance Examination Board.

A list of the places at which examinations are to be held by the Board in June, 1906, will be published about March 1. Requests that the examinations be held at particular points, to receive proper consideration, should be transmitted to the Secretary of the Board not later than February 1.

2. ADMISSION BY CERTIFICATE

Students are admitted upon presentation of a certificate signed by the principal of any school which has the privilege of issuing certificates to Brown University.

Principals of schools in New England who desire the certificate privilege for Brown University, or for any of the colleges represented on the New England College Entrance Certificate Board, should address the Secretary of the

Board, Professor Nathaniel F. Davis, 159 Brown Street, Providence, R. I., who will furnish the necessary application blanks. These blanks must be returned to him before April 1 of the year for which the certificate privilege is desired.

The principals of schools situated outside of New England who desire the certificate privilege must make application to the Registrar before May 1, and furnish satisfactory evidence that the course of study in the school meets the requirements for admission. Blank forms for this purpose will be supplied on request. Certificates from the New York Board of Regents are accepted for the specified subjects so far as they coincide with the entrance requirements of Brown University.

Certificates are accepted for admission to the Freshman class only, not for admission to advanced standing. If any candidate offers subjects in excess of those required for admission he may be examined in them at the times scheduled above and receive credit for them as college studies.

Blank forms for the certification of candidates may be obtained from the Registrar by the principals of schools on the accredited list. These forms should be filled out and returned to him by July 1. When a student has attended more than one school, a letter of recommendation from the principal of the institution last attended must accompany the certificate.

ENTRANCE REQUIREMENTS FOR THE VARIOUS DEGREES

FOR THE DEGREE OF BACHELOR OF ARTS

In Group I all subjects must be presented. In addition, seven points must be presented from Groups II and III. In Group II subjects aggregating at least 6 points, including at least 3 points in ancient languages and at least 1 point in modern languages, must be presented. In Group III one subject may be presented.

GROUP I

English. See page 45.

Algebra. See page 46.

Plane Geometry. See page 46.

Ancient History. See page 49.

GROUP II

Latin (elementary and advanced) 3 points. See page 47.

Greek (elementary) 2 points. See page 47.

Greek (advanced) 1 point. See page 47.

French (elementary) 1 point. See page 47.

French (advanced) 1 point. See page 48.

German (elementary) 1 point. *See page 48.*

German (advanced) 1 point. *See page 49.*

GROUP III

Solid Geometry and Plane Trigonometry 1 point. *See pages 46, 47.*

English and American History 1 point. *See page 49.*

Physics 1 point. *See page 50.*

Chemistry 1 point. *See page 50.*

FOR THE DEGREE OF BACHELOR OF PHILOSOPHY

In Group I all subjects must be presented. In addition, seven points must be presented from Groups II and III. In Group II two or more languages are required, aggregating at least 3 points. In Group III free selection is allowed to complete the 7 points required in addition to the subjects in Group I.

GROUP I

English. *See page 45.*

Algebra. *See page 46.*

Plane Geometry. *See page 46.*

Ancient History or English and American History. *See page 49.*

GROUP II

Latin (elementary) 2 points. *See page 47.*

Latin (advanced) 1 point. *See page 47.*

Greek (elementary) 2 points. *See page 47.*

Greek (advanced) 1 point. *See page 47.*

French (elementary) 1 point. *See page 47.*

French (advanced) 1 point. *See page 48.*

German (elementary) 1 point. *See page 48.*

German (advanced) 1 point. *See page 49.*

GROUP III

Solid Geometry and Plane Trigonometry 1 point. *See pages 46, 47.*

History (the History not presented as a required subject) 1 point. *See page 49.*

Physics 1 point. *See page 50.*

Chemistry 1 point. *See page 50.*

Astronomy 1 point. *See page 50.*

Physical Geography 1 point. *See page 50.*

FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING, MECHANICAL ENGINEERING, OR ELECTRI- CAL ENGINEERING

In Group I all subjects must be presented. In Group II two subjects must be presented.

GROUP I

English. *See page 45.*

Algebra. See page 46.

Plane Geometry. See page 46.

Solid and Spherical Geometry. See page 46.

Freehand Drawing. See page 51.

GROUP II

French (elementary). See page 47.

German (elementary). See page 48.

Chemistry. See page 50.

ENTRANCE REQUIREMENTS IN THE SEVERAL SUBJECTS

I. ENGLISH

The preparation in English should include: (a) careful and prolonged training in grammar and composition; (b) thoughtful reading of all the prescribed books, and careful study of those named in division 3 below. It is recommended that the student do as much supplementary reading as possible and commit to memory a considerable amount of poetry. The examination is intended to test the candidate's power of clear and accurate expression and his knowledge and appreciation of the books read. The major part of the examination is devoted to the prescribed reading, but the importance attached to the ability to write clearly and correctly is equal to that attached to a knowledge of the prescribed books. A candidate will not be accepted if his answers are seriously defective in spelling, use of capitals, punctuation, grammar, use of words, or structure of sentences and paragraphs; or if they show insufficient acquaintance with the subject-matter of the prescribed books. The examination consists of three parts, which, however, cannot be taken separately:

1. In the first part the candidate will be required to answer elementary questions in grammar and usage, and to correct some examples of bad grammar and faulty choice of words.

2. In the second part the candidate must show a general knowledge of the subject-matter of the books named; he should be able to state the leading thoughts of an essay, and to tell the main incidents, sketch the principal characters, and describe the striking scenes of a poem or novel. He should also be able to answer simple questions on the lives of the authors.

In 1906, 1907, and 1908 the books for this portion of the examination will be: Shakspeare's *Macbeth* and *The Merchant of Venice*; *The Sir Roger de Coverley Papers* in *The Spectator*; Irving's *Life of Goldsmith*; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe* and *The Lady of the Lake*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Lowell's *Vision of Sir Launfal*; George Eliot's *Silas Marner*.

3. The third part requires careful and detailed study of the works named below. The examination covers subject-matter, logical structure, and literary

form. Questions are asked about the style, the verse, the structure of the plots, the development of the characters, the meaning of words and allusions, and (in the case of essays and speeches) the logical structure of the whole.

In 1906, 1907, and 1908 the books for this portion of the examination will be: Shakspeare's *Julius Caesar*; Milton's *L'Allegro*, *Il Penseroso*, *Comus*, and *Lycidas*; Burke's *Speech on Conciliation with America*; Macaulay's *Essay on Milton* and *Life of Johnson*.

II. ALGEBRA ‡

The requirements in Algebra cover the work through equations of the second degree, including the following subjects: factors, common divisors, and multiples; fractions, ratios, and proportions; negative quantities and the interpretation of negative results; the doctrine of exponents; radicals, and equations involving radicals; the binomial theorem for positive integral powers of the binomial, and the extraction of roots; putting questions into equations, and the reduction of equations; the ordinary methods of elimination, and the solution of both numerical and literal equations of the first and second degrees with one or more unknown quantities, and of problems leading to such equations; arithmetical and geometrical progression.

It is important that the student should acquire a thorough knowledge not only of the practice but also of the reasons involved in the elementary algebraic rules. He should likewise be able to use readily the more important formulae, as, for example, the quadratic formula.

III. PLANE GEOMETRY ‡

The requirements in Plane Geometry include those propositions which are contained in the ordinary treatises and which are recognized as constituting the elements of Geometry; also original propositions, and problems in mensuration.

Teachers of Geometry should lay stress on accuracy of statement and elegance of form as well as on clear and strict reasoning. Mere memorizing should be avoided. Special care should be taken that in the proof of a proposition no lines be drawn unless their construction is proved to be possible.

IV. SOLID GEOMETRY

The requirements in Solid Geometry include the equivalent of the Solid and Spherical Geometry presented in Wells's *Geometry*, omitting the portion dealing with Regular Polyhedrons.

‡ Although candidates are not examined in Arithmetic, a knowledge of its fundamental principles and a careful training in accurate computation with whole numbers and with vulgar and decimal fractions are regarded as essential parts of a preparatory course.

The school curriculum should be so arranged that no term shall pass without some time being given to a mathematical subject, and that both Algebra and Geometry shall be taken either in review or in advance during the last year of the course. For a four-year course an average of two and one half hours a week should be given to mathematics.

V. PLANE TRIGONOMETRY

The requirements in Plane Trigonometry include the equivalent of what is presented in the first seventy-six pages of Wells's *New Plane and Spherical Trigonometry*.

VI. ELEMENTARY LATIN

1. Caesar. *Gallic War*, books I-IV, or books I-III and Sallust's *Catiline*, with questions on the forms, the constructions, and the subject-matter.

2. Cicero. The *Orations against Catiline* and the *Oration for Archias*, with questions on the grammar and the subject-matter.

3. Ovid. Twenty-five hundred lines, with questions on the subject-matter and prosody.

4. Translation at sight of ordinary passages from Caesar and Cicero, with questions on the ordinary forms and constructions.

5. Translation into Latin of simple English sentences.

VII. ADVANCED LATIN

1. Includes 1, 2, 3 mentioned under Elementary Latin.

2. Vergil. *Aeneid*, books I-VI, or books I-V and the *Eclogues*, with questions on the constructions, the subject-matter, and prosody.

3. Translation at sight of prose and verse, with questions on the constructions, the subject-matter, and prosody.

4. Translation into Latin of a continuous passage of English narrative prepared from some portion of the prescribed prose.

VIII. ELEMENTARY GREEK

1. Xenophon's *Anabasis*, books I-IV, regard being had not only to language but to subject-matter as well.

2. Grammar. A familiar knowledge of inflection, word-formation, and ordinary syntax.

3. Composition. Preparation in writing connected Greek prose. Thorough work in any text-book will be accepted. Candidates must show ability to write in Greek, with accents, an ordinary passage of English based upon material similar to the *Anabasis*.

IX. ADVANCED GREEK

In addition to the elementary requirements, three books of Homer, or *Anabasis*, books V-VII, or *Anabasis*, book V, and *Hellenica*, books I and II.

X. ELEMENTARY FRENCH

1. Proficiency in elementary French grammar, including, especially, familiarity with the following topics: inflection of nouns and adjectives in gender and number; the pronominal adjectives; the use of pronouns, especially the forms and positions of personal pronouns; the partitive constructions; the inflection of the regular verbs and of the more usual irregular verbs such as *dire*, *faire*, and the classes represented by *ouvrir*, *sentir*, *venir*, *paraître*, *con-*

duire and *craindre*. The mention of these topics is to be understood not as restrictive, but merely as emphasizing the importance of a thorough grounding of the pupil in the elements of the language.

2. Ability to translate simple prose at sight. It is believed that the required facility can be gained by reading, concurrently with the grammar work, from two hundred to four hundred duodecimo pages, of at least three dissimilar works. It is desired that the books read shall not be those assigned in the University courses.

3. Ability to pronounce French and to recognize French words and simple French phrases when spoken. It is recommended that from the beginning careful attention be given to the fluent and intelligent reading aloud of the French texts used in the class-room.

XI. ADVANCED FRENCH

In addition to the elementary requirements:

1. The translation at sight of standard French into idiomatic English.
2. The translation into French of a connected passage of English prose, to test the candidate's familiarity with grammar. Proficiency in grammar may also be tested by specific questions.
3. The writing of French from dictation.

Candidates will be expected to show a thorough knowledge of accidence and a familiarity with the essentials of French syntax, especially the uses of tenses, moods, prepositions, and conjunctions. The preparation should comprise the reading of from four hundred to six hundred pages of ordinary French, including the amount read for the elementary requirement; constant practice in giving in French paraphrases, abstracts, or reproductions from memory, of selected passages; the study of a grammar of moderate completeness; writing from dictation.

XII. ELEMENTARY GERMAN

1. Proficiency in elementary German grammar, including, especially, familiarity with the following topics: declension of such nouns as are readily classified and of adjectives and pronouns; conjugation of weak verbs and of the more usual strong verbs; the commoner prepositions; the simpler uses of the modal auxiliaries; the simpler rules of syntax and of word-order. The mention of these topics is to be understood not as restrictive, but merely as emphasizing the importance of a thorough grounding of the pupil in the elements of the language.

2. Ability to translate a passage of simple prose at sight, when a vocabulary of the less usual words is furnished. It is believed that the required facility can be gained by reading, concurrently with the grammar work, two hundred duodecimo pages of easy German, chiefly narrative prose, with a few lyric poems. It is desired that the books read shall not be those assigned in the University courses.

3. Ability to pronounce German and to recognize German words and simple German phrases when spoken. It is recommended that from the beginning careful attention be given to the fluent and intelligent reading aloud of the German texts used in the class-room.

XIII. ADVANCED GERMAN

In addition to the elementary requirements :

1. Ability to translate at sight ordinary German into idiomatic English, the passages for translation being suited to the proficiency of those who have read not less than five hundred pages of classical and contemporary prose and verse selected from such works as Lessing's *Minna von Barnhelm*; Schiller's *Wilhelm Tell*, *Maria Stuart*, *Jungfrau von Orleans*, and *Gedichte*; Goethe's *Hermann und Dorothea* and *Gedichte*; Heine's *Reisebilder* and *Gedichte*; Freytag's *Die Journalisten* and *Bilder aus der Vergangenheit*; Scheffel's *Der Trompeter von Säckingen*; Uhland's *Gedichte*; Hoffmann's *Historische Erzählungen*; Meyer's *Gustav Adolf's Page*; Riehl's *Novellen*. It is recommended that at least one half of the reading be selected from the works of Lessing, Schiller, and Goethe.

2. Ability to state the main facts in the life of each author studied and to discuss the characters in the dramas read.

3. Ability to read aloud intelligently every text in the original. Such proficiency can be acquired only by constant oral practice in the class-room.

4. A knowledge of the elements of word-formation and of the principal uses of prepositions, conjunctions, modal auxiliaries, the subjunctive mode, and the infinitive.

Preparation for the advanced examination by candidates already prepared for the elementary examination should occupy at least five recitation periods a week in the last year of the preparatory course, or a smaller number of periods more widely distributed.

XIV. HISTORY

Either of the two following groups, each including two fields of historical study :

1. Greek and Roman history. (a) Greek history to the death of Alexander, with due reference to Greek life, literature, and art. (b) Roman history to the end of the reign of Marcus Aurelius, with due reference to literature and government.

2. English and American history. (a) English history, with due reference to social and political development. (b) American history, with the elements of civil government.

For preparation in either 1 or 2 a course of study equivalent to at least three lessons a week for one year will be necessary, or five lessons a week for one year for both 1 and 2. The candidates will be expected to show such general knowledge of each field as may be acquired from the study of an ac-

curate modern text-book of not less than three hundred pages, supplemented by not less than three hundred pages of suitable parallel readings.

XV. PHYSICS

The equivalent of Hall and Bergen's *Text-book of Physics*, together with an approved laboratory course of at least forty experiments.

XVI. CHEMISTRY

The requirements include a knowledge of the non-metals and their principal combinations, the metals and their principal salts, the more important topics of chemical philosophy, chemical nomenclature and notation, and the ordinary methods of stoichiometry. Candidates should have personally performed about one hundred simple experiments (those in Appleton's *Young Chemist* are mentioned as illustrations, but equivalents will be accepted). Each candidate is expected to submit his manuscript notes, or reports of his work. A course accomplishing the preparation above outlined will require an amount of time equivalent to three hours a week for one school year.

XVII. ASTRONOMY

The requirements imply class instruction for the equivalent of three hours a week for a school year in the elementary principles of the science, including observations of the heavens with reference to the positions and movements of the heavenly bodies. The following are the chief topics to be studied:

The Celestial Sphere; designation of the directions of a heavenly body.

The Earth; its axial rotation; time, latitude, longitude; its orbital revolution; precession, aberration, the seasons, equation of time, the calendar.

The Moon; its axial rotation, orbital motion, librations, phases, surface features, physical condition; lunar and solar eclipses.

The Sun; its rotation, physical characteristics, light, and heat.

The Planets; apparent and real motions, individual characteristics.

The Law of Gravitation; its control of the solar system; the tides.

Comets and Meteors; their nature and motions.

The Stars; designation, classification by constellations, motions, distance, brightness, variables.

Stellar Systems; clusters, nebulae; the stellar universe, cosmogony.

XVIII. PHYSICAL GEOGRAPHY

The requirements imply class instruction in the elementary principles of the science for the equivalent of three hours a week for a school year. It should include the following subjects:

The Earth as a member of the solar system.

The Atmosphere; its nature, temperature, pressure, moisture and precipitation, circulation, storms, weather, climate.

The Oceans; form and general characteristics, life within the oceans, waves, currents, tides.

The Lands ; distribution, structure, processes of denudation and reconstruction and the resulting topographic features such as plains, plateaus, mountains, valleys, hills, volcanoes.

Life on the Earth ; influence of nature on man, influence of man on nature.

XIX. FREEHAND DRAWING

Candidates must submit a complete set of drawings made under the supervision of a teacher of drawing and properly certified by him. These drawings should show ability in the candidate to execute plain lettering with readiness and neatness ; to make orthographic sketches of simple machine parts ; to make intelligible perspective sketches of simple models, assuming different points of observation and applying the principles of shade and shadow.

ADMISSION TO ADVANCED STANDING

A candidate for admission to advanced standing who comes from an approved institution of collegiate rank may receive credit, without examination, for work done at such institution, provided that he present to the Registrar a detailed statement of his previous work and his standing therein, signed by the proper official. The amount of credit to be given is determined by the Committee on Registration and Attendance.

Every other candidate for admission to advanced standing must first satisfy the entrance requirements of the course which he desires to enter. He may then receive credit for any subject included in the curriculum of the course, provided, first, that he notify in writing the Committee on Registration and Attendance at the time he applies for admission to the University of his intention to present the subject, and second, that he pass an examination in the subject before a date set by the said Committee.

Every candidate must present a letter of honorable dismissal from the institution last attended.

Formal application for admission should be made to the Registrar, and should be sent, if possible, before August 1.

ADMISSION OF SPECIAL STUDENTS

Mature persons of good character who desire to pursue some special subject and who have had the requisite preliminary training are allowed to enter the various courses of study in the University without becoming candidates for a degree. Special students are subject to the same regulations regarding attendance and examinations as candidates for degrees ; they must take fifteen hours of class-room work a week unless satisfactory reasons for a smaller assignment are presented.

Applicants for registration as special students must present to the Registrar, on or before August 1 if possible, a certified and detailed statement of

the character and extent of their preparatory work, including testimonials of character and ability. In case a student has attended more than one institution, he must present credentials from all. Students who withdraw from a preparatory school before completing its course of study will not be admitted as special students unless the principal of the school distinctly recommends such action. Applicants must satisfy the officers of instruction, by examination or otherwise, that they are qualified to pursue the courses desired.

Special students will be accepted as candidates for a degree only after they have fully satisfied the requirements for admission either by certificate or by examination.

ADMISSION OF GRADUATE STUDENTS

To be admitted as a Graduate student, an applicant must have received the degree of Bachelor of Arts, of Philosophy, of Science, or of Letters from an institution of good standing, or must have completed in Brown University with a rank of C the work leading to the degree of Bachelor of Arts, of Philosophy, or of Science, with the exception of such an amount as the Committee on Registration and Attendance will allow him to take in excess of a full year's work (fifteen hours a week).

Persons who have obtained the degree of Bachelor of Arts, of Philosophy, of Science, or of Letters, and who desire to pursue Graduate studies without being candidates for an advanced degree, are admitted as special Graduate students. Such students are subject to all the regulations of the University regarding Graduate students except those which relate to candidacy for degrees.

REGISTRATION AND ENROLMENT OF UNDER-GRADUATES

REGISTRATION

In September of each year all *new students*, whether candidates for a degree or special students, must report at the Registrar's office between 9 a. m. and 1 p. m. or between 2.30 p. m. and 5 p. m. on the Monday or Tuesday preceding the opening of the first term, and fill out registration cards for the whole of the ensuing year. Failure to comply with this rule will be treated as late registration and a fee of three dollars charged. All new students must present at or before the time of registration all credentials necessary for admission either as candidates for a degree or as special students.

In May of each year all *Undergraduates in residence*, whether candidates for a degree or special students, must obtain at the Registrar's office registration cards for the next year; these cards must be filled out by the students themselves with a statement of the courses elected for the whole of the ensuing year, and returned not later than June 1. Failure to comply with this rule will be treated as late registration and a fee of three dollars charged.

Courses bearing a single number must be elected as a whole. When term courses are grouped in one paragraph (*e. g.* Astronomy 1, 2, 3), the second term may not be taken without the first, nor the third without the second, unless specific statement to the contrary is made. In starred courses a final mark covering the work of the course as a whole will be given at the end of the course, the marks given at the end of the preceding term or terms being regarded as temporary. Changes in registration will be allowed only on presentation of sufficient reasons to the Committee on Registration and Attendance. Requests for permission to make changes in September must be presented to the Committee between 9 a. m. and 1 p. m. or between 2.30 p. m. and 5 p. m. on the Monday or Tuesday preceding the opening of the first term. Requests for permission to make changes for the second or third term must be presented to the Committee before the beginning of the examinations of the first and second terms respectively, unless these requests be the result of failures, in which case they must be presented in writing to the Registrar two days before the opening of the second and third terms respectively.

ENROLMENT

In September all students whose registration cards have been already approved must report at the Registrar's office between 10 a. m. and 12 m. or between 3 p. m. and 5 p. m. on the day preceding the opening of the first term and have their names checked as enrolled for the term. Failure to report will be treated as late enrolment and a fee of three dollars charged.

At the beginning of the second and third terms all Undergraduates must report at the Registrar's office between 10 a. m. and 12 m. or between 3 p. m. and 5 p. m. on the day preceding the opening of the term and have their names checked as enrolled for the term. Failure to report will be treated as late enrolment and a fee of three dollars charged.

REGISTRATION AND ENROLMENT OF GRADUATE STUDENTS

On or before the first day of the academic year, every candidate for registration as a Graduate student must file an application with the Dean of the Graduate Department, naming the departments, not exceeding three, which he wishes to enter. The application must be made on a blank provided by the Dean, and the blank must be signed by the heads of the departments concerned. The candidate, if not a student or graduate of Brown University, must submit to the Dean, with his application, his diploma or other official evidence of having received a first academic degree, together with a marked catalogue or detailed statement showing the academic courses he has pursued.

A student who has been duly registered as a Graduate student is enrolled as a candidate for a degree when his course of study for the degree has been

approved by the Dean of the Graduate Department and by the Faculty. Although graduates of other colleges of good standing are entitled to registration as Graduate students, they are not enrolled as candidates for degrees unless the course of study previously pursued by them is, in the opinion of the Dean of the Graduate Department acting in consultation with the Committee on Registration and Attendance, substantially equivalent to the course leading to the corresponding degree in Brown University. Graduates of colleges in which the course of study is not, in the opinion of this joint Committee, equivalent to the corresponding course at Brown University, will be registered as Graduate students, but if enrolled they will be required to make up their deficiency under the direction of the Committee.

A course cannot be dropped without the consent of the Dean of the Graduate Department, and of the head of the department which offers the course.

REQUIREMENTS FOR DEGREES

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

I. PRESCRIBED SUBJECTS

A*NCIENT Languages* (either Latin or Greek, or both). Six hours. At least three hours must be taken in the Freshman year, and the whole six hours must be completed by the end of the Sophomore year.

Modern Languages (either French or German, or both). Six hours. At least three hours must be taken in the Freshman year, and the whole six hours must be completed by the end of the Sophomore year.

Students presenting German only must take elementary French. Students presenting French only must take elementary German. Students presenting elementary French only must continue French in the Freshman year and take elementary German in either the Freshman or the Sophomore year. Students presenting elementary German only must continue German in the Freshman year and take elementary French in either the Freshman or the Sophomore year. Students presenting elementary French and elementary German only must continue both languages, but may postpone the continuation of one language to the Sophomore year. Students presenting elementary work in one language and elementary and advanced work in the other must take in the Freshman year the language in which the elementary work only was presented. Students presenting elementary and advanced work in both languages may take the required six hours in either French or German, or both.

Mathematics. Four or five hours. Freshman year. Students not presenting Solid Geometry take Mathematics four hours a week. Students presenting Solid Geometry and Plane Trigonometry take Mathematics five hours a week.

English. Rhetoric and Composition. Three hours. Freshman year.

European History. Three hours. First and second terms, Sophomore or Junior year.

English Literature. Any one of the courses from 10 to 23 inclusive. Sophomore, Junior, or Senior year.

Physical or Natural Science. Some three-hour course continuous through the year. Freshman, Sophomore, or Junior year.

Political Science, Social Science, and Political Economy. One three-hour, one-term course in each of the three departments. Sophomore, Junior, or Senior year.

Philosophy. Some three-hour course continuous through the year. Sophomore, Junior, or Senior year. The courses in Education cannot be taken to satisfy this requirement.

II. REQUIREMENTS ARRANGED BY YEARS

FRESHMAN YEAR

I. *Required Studies.*

Latin 1, 2, 3 or *Greek* 1, 2, 3. Three hours.

French 1 or 2, 3, 4 or }
German 1 or 2. } Three hours.

Mathematics 3, 1, 2. Four hours; or

Mathematics 4, 5; 15, 16. Five hours.

English 1. Three hours.

II. *Elective Studies.*

One three-hour course running through the year must be chosen from the following list:

Latin 1, 2, 3. For students presenting elementary and advanced Latin for admission.

Greek A, B, C. For students presenting no Greek for admission.

Greek 1, 2, 3. For students presenting elementary and advanced Greek for admission.

French 1. For students presenting no French for admission.

French 2, 3, 4. For students presenting elementary French for admission.

French 5, 6, 7. For students presenting advanced French for admission.

German 1. For students presenting no German for admission.

German 2. For students presenting elementary German for admission.

German 7. For students presenting advanced German for admission.

Greek 34, *Latin* 30, *Greek* 35. (*Greek and Roman Literature.*) For all students.

Chemistry 1, 2, 3. For all students.

Chemistry 4, 5, 6. For students presenting Chemistry for admission. (Subject to the consent of the department.)

Botany 1. For all students.

Comparative Anatomy 1. For all students.

SOPHOMORE YEAR

I. That portion of the required work in ancient and modern languages not completed in the Freshman year.

II. Other required and elective courses sufficient with those taken under I to make fifteen hours a week.

JUNIOR YEAR

I. The required History and Physical or Natural Science, if not previously taken.

II. Other required and elective courses sufficient with those taken under I to make fifteen hours a week.

SENIOR YEAR

I. All required courses not previously taken.

II. Elective courses sufficient with those taken under I to make fifteen hours a week.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF PHILOSOPHY

I. PRESCRIBED SUBJECTS

Modern Languages. An amount sufficient with the work presented for admission to complete the elementary course and a year of advanced work in both French and German. A student who is admitted in both advanced French and advanced German is required to continue one of these languages for one year, three hours a week.

Mathematics. Four or five hours. Freshman year. Students not presenting Solid Geometry take Mathematics four hours a week. Students presenting Solid Geometry and Plane Trigonometry take Mathematics five hours a week.

English. Rhetoric and Composition. Three hours. Freshman year.

European History. Three hours. First and second terms, Sophomore or Junior year.

Physical or Natural Science. Some three-hour course continuous through the year. Freshman, Sophomore, or Junior year.

Philosophy. Some three-hour course continuous through the year. Sophomore, Junior or Senior year. The courses in Education cannot be taken to satisfy this requirement.

II. REQUIREMENTS ARRANGED BY YEARS

FRESHMAN YEAR

I. *Required Studies.*

English 1. Three hours.

French 1 or 2, 3, 4 or } Three hours.
German 1 or 2.

Mathematics 3, 1, 2. Four hours; or

Mathematics 4, 5; 15, 16. Five hours.

II. *Elective Studies.*

Two three-hour courses running through the year must be chosen from the following list:

Latin 1, 2, 3. For students presenting elementary and advanced Latin for admission.

Greek A, B, C. For students presenting no Greek for admission.

Greek 1, 2, 3. For students presenting elementary and advanced Greek for admission.

French 1. For students presenting no French for admission.

French 2, 3, 4. For students presenting elementary French for admission.

French 5, 6, 7. For students presenting advanced French for admission.

German 1. For students presenting no German for admission.

German 2. For students presenting elementary German for admission.

German 7. For students presenting advanced German for admission.

Greek 34, Latin 30, Greek 35. (Greek and Roman Literature.) For all students.

Chemistry 1, 2, 3. For all students.

Chemistry 4, 5, 6. For students presenting Chemistry for admission. (Subject to the consent of the department.)

Botany 1. For all students.

Comparative Anatomy 1. For all students.

Mechanical Drawing 2, 3. For all students.

SOPHOMORE YEAR

I. That portion of the required work in modern languages not completed in the Freshman year.

II. Other required and elective courses sufficient with those taken under I to make fifteen hours a week.

JUNIOR YEAR

I. The required History and Physical or Natural Science, if not previously taken.

II. Other required and elective courses sufficient with those taken under I to make fifteen hours a week.

SENIOR YEAR

I. All required courses not previously taken.

II. Elective courses sufficient with those taken under I to make fifteen hours a week.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
FRESHMAN YEAR		
Mathematics 17	Mathematics 18	Mathematics 19
Mech. Drawing 1	Mech. Drawing 1	Mech. Drawing 1
Civil Engineering 1	Civil Engineering 2	Civil Engineering 3
English 1	English 1	English 1
French 2 or German 2	French 3 or German 2	French 4 or German 2

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
SOPHOMORE YEAR		
Mathematics 20	Mathematics 21	Mathematics 21
Civil Engineering 4	Civil Engineering 5	Civil Engineering 6
Physics 1	Physics 2	Physics 3
‡ Political Science 1	‡ Social Science 1	‡ Political Economy 1
	Civil Engineering 7	§ Civil Engineering 8, 9
		Geology 3
<i>Also, of the following courses, the subject not presented for admission:</i>		
Chemistry 1	Chemistry 2	Chemistry 3
French 1	French 1	French 1
German 1	German 1	German 1
JUNIOR YEAR		
Civil Engineering 10, 11	Civil Engineering 12	Civil Engineering 13
Mechanics 1	Mechanics 1	Mechanics 1
Astronomy 4	Astronomy 5	Astronomy 6
Physics 7	Physics 7	Physics 7
Elect. Engineering 1	Elect. Engineering 2	Elect. Engineering 3
	Civil Engineering 14	Civil Engineering 15
SENIOR YEAR		
Civil Engineering 23	Civil Engineering 27	Civil Engineering 17
Civil Engineering 25	Civil Engineering 24	Civil Engineering 18
Civil Engineering 26	Civil Engineering 29	Civil Engineering 19
Geology 6	Civil Engineering 30	Civil Engineering 28
	Civil Engineering 32	Civil Engineering 31
	Civil Engineering 34	Civil Engineering 33
Mech. Engineering 22	Mech. Engineering 22	
Mechanics 2	Mechanics 2	
Thesis	Thesis	Thesis

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
FRESHMAN YEAR		
Mathematics 17	Mathematics 18	Mathematics 19
Drawing 1	Drawing 1	Drawing 1
Civil Engineering 1	Civil Engineering 2	Civil Engineering 3
English 1	English 1	English 1
French 2 or German 2	French 3 or German 2	French 4 or German 2

‡ Or some other course, not technical, chosen with the approval of the head of the Department of Civil Engineering.

§ Civil Engineering 8 is taken during the spring recess.

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
SOPHOMORE YEAR		
Mathematics 20	Mathematics 21	Mathematics 21
Mech. Drawing 4	Mech. Drawing 5	Mech. Engineering 8
Physics 1	Physics 2	Physics 3
‡ Political Science 1	‡ Social Science 1	‡ Political Economy 1
	Mech. Engineering 1	Mech. Engineering 2

Also, of the following courses, the subject not presented for admission:

Chemistry 1	Chemistry 2	Chemistry 3
French 1	French 1	French 1
German 1	German 1	German 1
JUNIOR YEAR		
Mech. Engineering 19	Mech. Engineering 20	Mech. Engineering 21
Mech. Engineering 16	Mech. Engineering 17	Mech. Engineering 18
Mech. Engineering 3	Mech. Engineering 4	Mech. Engineering 5
Mech. Engineering 9	Mech. Engineering 10	Mech. Engineering 11
Mechanics 1	Mechanics 1	Mechanics 1
Physics 7	Physics 7	Physics 7

SENIOR YEAR		
Mech. Engineering 22	Mech. Engineering 22	Mech. Engineering 23
Mech. Engineering 6	Mech. Engineering 7	Mech. Engineering 24
Mech. Engineering 12	Mech. Engineering 13	Mech. Engineering 14
Mechanics 2	Mechanics 2	Mech. Engineering 15
Elect. Engineering 1	Elect. Engineering 2	Elect. Engineering 3
Thesis	Thesis	Thesis

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
FRESHMAN YEAR		
Mathematics 17	Mathematics 18	Mathematics 19
Mech. Drawing 1	Mech. Drawing 1	Mech. Drawing 1
Civil Engineering 1	Civil Engineering 2	Civil Engineering 3
English 1	English 1	English 1
French 2 or German 2	French 3 or German 2	French 4 or German 2

‡ Or some other course, not technical, chosen with the approval of the head of the Department of Mechanical Engineering.

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
SOPHOMORE YEAR		
Mathematics 20	Mathematics 21	Mathematics 21
Mech. Drawing 4	Mech. Drawing 5	Mech. Engineering 8
Physics 1	Physics 2	Physics 3
‡ Political Science 1	‡ Social Science 1	‡ Political Economy 1
	Mech. Engineering 1	Mech. Engineering 2

Also, of the following courses, the subject not presented for admission:

Chemistry 1	Chemistry 2	Chemistry 3
French 1	French 1	French 1
German 1	German 1	German 1

JUNIOR YEAR		
Mechanics 1	Mechanics 1	Mechanics 1
Mech. Engineering 3	Mech. Engineering 4	Mech. Engineering 5
Mech. Engineering 9	Mech. Engineering 10	Mech. Engineering 11
Physics 7	Physics 7	Physics 7
Elect. Engineering 1	Elect. Engineering 2	Elect. Engineering 3
Elect. Engineering 7	Elect. Engineering 8	Elect. Engineering 9

SENIOR YEAR		
Mechanics 2	Mechanics 2	Civil Engineering 17
Mathematics 9	Elect. Engineering 11	Elect. Engineering 19
Elect. Engineering 4	Elect. Engineering 5	Elect. Engineering 6
Physics 23	Physics 23	Physics 23
Elect. Engineering 10	Elect. Engineering 12	Elect. Engineering 13
Thesis	Thesis	Thesis

REGULATIONS UNDER WHICH A STUDENT MAY TAKE A FIRST DEGREE IN LESS THAN FOUR YEARS

A candidate for a first degree, who has credit for the required number of hours of work and all the required subjects, may, at the end of the term in which his work is completed, be excused from further attendance at the University and may receive his degree at the Commencement next following such term.

A candidate for a first degree who has maintained a satisfactory standing in his studies may, subject to the consent of the Committee on Registration and Attendance, take work in addition to the regular number of hours provided for in the curriculum of the course which he is pursuing.

A candidate for a first degree may receive credit for work done at the summer school of an approved institution of collegiate rank, provided that the work have the approval of the head of the related department in Brown

‡ Or some other course, not technical, chosen with the approval of the head of the Department of Electrical Engineering.

University. The amount of credit allowed at the institution in question will be allowed at Brown University, but the total credit for work at summer schools for any one summer shall in no case exceed fifteen term hours.

A candidate for a first degree may, with the consent of the head of any department and with the approval of the Faculty, pursue studies connected with said department during any summer in which he does not attend a summer school, and may receive credit for such studies, provided, first, that the work be under the supervision of the head of the department concerned; second, that he pass an examination in all the work before the end of the following term. The amount of credit for work of this kind shall be determined by the head of the department, but the total credit for any one summer shall not exceed nine term hours. No student will be allowed to do summer work in connection with any department of the University until he has presented to the head of the department a registration slip signed by the Registrar.

If a student at the beginning of his Senior year lacks less than forty-five term hours of completing his course he may, with the consent of the Committee on Registration and Attendance, distribute his work over the year.

If a student at the beginning of any term lacks less than fifteen term hours of completing his course he may, for reasons deemed sufficient by the Committee on Registration and Attendance, be excused from taking more than the necessary number of hours.

For conditions under which Graduate work may be pursued during the Senior year, see page 52, under Admission of Graduate Students.

REQUIREMENTS FOR DEGREE OF MASTER OF ARTS

To obtain the degree of Master of Arts, the candidate must first have received the degree of Bachelor of Arts, of Philosophy, of Science,[‡] or of Letters, or, being a student in the Senior class in Brown University, must have been admitted, in the manner prescribed under Admission of Graduate Students, to candidacy for the bachelor's degree and the master's degree at the ensuing Commencement, and must further satisfactorily complete a course of liberal Graduate study of not less than fifteen hours a week for one year. Work done in residence for an advanced degree at another institution, and not to be used in fulfilment of the requirements for an advanced degree elsewhere, may, with the approval of the Dean of the Graduate Department, be offered in partial fulfilment of the requirements for the degree of Master of Arts; but the equivalent of at least nine hours' work a week for one year must be done at Brown University. Graduates of Brown University who have to their credit work done as Undergraduates and not counted towards their bachelor's degree

[‡] The degree of Bachelor of Science when given for technical work does not lead to the degree of Master of Arts or Doctor of Philosophy in Brown University. The degree of Bachelor of Science referred to in these regulations means a degree given for a course of liberal study.

may offer such work in partial fulfilment of the requirements for the master's degree, provided such work is in courses which may be taken by Graduates and does not lie in more than three departments, and provided the student has completed the work with a grade of C. When Graduate students pursue courses primarily designed for Undergraduates, a higher degree of scholarship than in the case of Undergraduates will be required.

When any part of the work leading to the degree of Master of Arts is done *in absentia*, the degree will not be conferred until the end of the second full year of study. The degree *in absentia* must be taken within three years after enrolment, unless the period is extended by special action of the Faculty. Candidacy *in absentia* may be terminated at the end of six months if definite evidence of progress has not been submitted. Candidates *in absentia* must register (by correspondence, if necessary) at the beginning of each college year, and make reports to their instructors at the end of each term. A final public examination is required of all candidates *in absentia*. This examination will be held only when notification of the intention to appear for examination is given on or before April 1 of the year in which the candidate desires to receive the degree.

REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE

To obtain the degree of Master of Science, the candidate must first have obtained the degree of Bachelor of Science, or have obtained the degree of Bachelor of Arts or Bachelor of Philosophy upon a course including at least an average of seven hours of work a week for four years in one or more of the mathematical, physical, or natural sciences, of a grade equivalent to that of similar courses in Brown University. He must further have completed a course of scientific study satisfactory to the Dean of the Graduate Department and the departments concerned, of not less than fifteen hours of work a week for one year, and must have completed a satisfactory thesis. All the work of a candidate for the degree of Master of Science must lie in one or more of the departments of Mathematics, Engineering, Physics, Chemistry, Astronomy, the Biological Sciences, Psychology, and Geology. Half the work required for the degree of Master of Science must be taken in courses designed wholly or primarily for Graduates. The remainder may consist of courses satisfactory to the departments concerned and to the Dean of the Graduate Department.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

To obtain the degree of Doctor of Philosophy, the candidate must first have obtained the degree of Bachelor of Arts, of Philosophy, of Science, ‡ or of

‡ See footnote, page 62.

Letters. He must spend at least two years continuously in residence, pursuing a systematic course of advanced study approved by the Graduate Department, the Faculty, and the Board of Fellows, and pass satisfactory examinations on the same. Work done in residence for the degree of Doctor of Philosophy at another institution, and not to be used in fulfilment of the requirements for an advanced degree elsewhere, may, with the approval of the Dean of the Graduate Department, be offered in partial fulfilment of the requirements for the degree of Doctor of Philosophy. One full year of continuous work, however, must be spent at Brown University. The candidate must conclude his course with a thesis embodying the results of original research, giving evidence of high scholarship and of special attainments in the studies pursued, and constituting as a whole a definite contribution to knowledge. The candidate is examined publicly before June 1 by a committee consisting in each case of the Graduate Department, together with those members of the Faculty who have directed the work of the candidate and any other officers of professorial rank in the respective departments. The examination is held only when notification of the intention to appear for examination is given on or before April 1 of the year in which the candidate desires to obtain his degree. The thesis of a candidate for the degree of Doctor of Philosophy must be presented to the Faculty, in typewritten copy or print, before May 1 in that year. The approval of this thesis by the Faculty is essential to the attainment of the degree.

For the degree of Doctor of Philosophy at least two subjects are necessary, a major and a minor, not in the same department. The work of the major subject must amount to not less than three fifths of the whole. The selection of the courses constituting the major and minor subjects must receive the approval of the head of the department in which the major subject lies, and of the Dean of the Graduate Department. The approval of the head of the department in which the minor subject lies is also necessary for the courses elected in his department.

The candidate must further possess a reading knowledge of Latin, German, and French suitable for the purposes of his special studies, unless for sufficient reasons he is excused in respect to one of these languages. To test the candidate's proficiency in this particular, he is examined before December 1 in the last year of his candidacy by a committee consisting of the heads of the departments in which the major and minor subjects lie, and the heads of the departments of Latin, German, and French.

A year of work for the degree of Master of Arts may be, but is not necessarily, counted as a year of work for the degree of Doctor of Philosophy.

ATTENDANCE, STANDING, AND EXAMINATIONS

EVERY student is expected to attend the daily chapel service and also every exercise in the several studies to which he is assigned.

A record is kept of the attendance of every student of the University and of his proficiency in his several studies. At the close of each term a report is sent to the parent or guardian of every Undergraduate student containing the record of all his absences from required exercises, indicating his standing in each of his studies for the term and his deficiency in any study or studies if any deficiency exists. A student who at the close of a term has failed in three or more studies, counting for more than eight hours of work a week, cannot be again registered without the permission of the Committee on Registration and Attendance.

Except in laboratory, seminary, and similar work, all classes are examined at the close of each term. A student is not admitted to examination in a study in which his term work is unsatisfactory to the officer of instruction, or in which he has been absent from one half of the class exercises. Examinations other than those regularly appointed are not held except in case of (1) candidates for advanced standing whose examinations are authorized by the Committee on Registration and Attendance; (2) students whose absences from the regular examinations have been excused by the Committee; (3) students who have been allowed to pursue, under appointed tutors, studies in which they have failed at regular examinations. A student who wishes to take a special examination must obtain from the Registrar an authorization, for which he must pay a fee of two dollars, unless this is remitted by the President or the Dean, and must then arrange with the officer of instruction for the examination.

The standing of students is indicated by letters as follows:

H is assigned to those whose work is of such excellence as to merit the designation of honor work.

C is assigned to those who have passed with credit.

P is assigned to those who have passed in the subject, but deserve no higher recognition.

F is assigned to those whose work during the term has been so unsatisfactory that, in the opinion of the instructor, they should not be allowed an examination, or to those whose examination has been so unsatisfactory that it should, in the opinion of the instructor, constitute a failure without regard to the work of the term, or to those who in the combined work of the term and the examination have failed to pass in the subject. A student who receives the mark F must pursue the subject again with a succeeding class, or if the instructor allows, under a tutor appointed by the head of the department;

or, if the failure is in an elective course, he may take as a substitute some other course approved by the Committee on Registration and Attendance.

I is assigned to those whose work is incomplete, but satisfactory so far as done.

Abs. is assigned to those who are absent from examination, unless F has already been assigned. Unless a student's absence from examination is excused by the Committee, the mark Abs. will be changed to F.

COURSES OF INSTRUCTION

IN every department courses bearing a single number must be elected as a whole, whether they cover one, two, or three terms. When term courses are grouped in one paragraph (e. g. *Astronomy 1, 2, 3*), the second term may not be taken without the first, nor the third without the second, unless specific statement to the contrary is made. In starred courses a final mark covering the work of the course as a whole will be given at the end of the course, the marks given at the end of the preceding term or terms being regarded as temporary. When the time of meeting is not announced it will be arranged with the instructor at the beginning of the term.

I. ART

WILLIAM CAREY POLAND, A.M., LITT.D., *Professor of the History of Art*

1, 2, 3. *History of Art from Antiquity through the Renaissance*

First Term, ancient art. A general course in the history of ancient art, chiefly Greek. Second Term, Roman, early Christian, and Mediaeval art. A study of Roman, Romanesque, and Gothic art, with some notice of Byzantine, Arabian, and Oriental art. Third Term, art of the Renaissance. The fifteenth and sixteenth centuries. The effect on art of the dominant motives of the epoch, the development of art in the different countries of Europe, the great masters and their most significant works. Text-book, lectures, lantern views.

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Each term may be elected independently. *Mon., Wed., Th., at 10.20.*

4, 5. *Modern Art*

First Term, the seventeenth and eighteenth centuries. Second Term, the nineteenth century. Text-books, lectures, special assigned topics, lantern views.

Three hours. First and Second Terms. Elective for Juniors, Seniors, and Graduates, who have credit for 3. *Tu., Th., Sat., at 12.20.*

6. *Theory and Criticism of the Fine Arts*

A study of the more important facts and laws of artistic production. Text-book, special assigned topics, illustrated lectures.

Three hours. Third Term. Elective for students who have credit for any course in Art. *Tu., Th., Sat., at 12.20.*

[7. *Seminary in Classical Architecture*]

Critical study; reading of Vitruvius in Latin; discussion of the principles followed by the Greek and Roman architects, and of the influence of Vitruvius upon the Renaissance.

Three hours. Second and Third Terms. Elective for Graduates. Not offered in 1905-6. To be offered in 1906-7.

8. *Seminary in Greek and Roman Sculpture*

An archaeological course based on Overbeck's *Schriftquellen*.

Three hours. Through the year. Elective for Graduates who read Greek and Latin.

[9. *Seminary Study of the Acropolis of Athens*]

Critical reading, in the Greek, of Pausanias's account of the Acropolis of Athens; lectures and illustrations.

Three hours. First Term. Elective for Graduates who read Greek and Latin. Not offered in 1905-6. To be offered in 1906-7.

10. *Freehand Drawing*

Training of hand and eye by progressive study of models of machine parts, casts of ornamental forms, and still-life objects.

One hour. Two hours of drawing. Through the year. Elective for all students. Given at the Rhode Island School of Design. *Tu., or Th., or Fri., at 2.20.*

11. *Practical Work in Art*

Six hours of drawing or other practical work. To illustrate the principles of delineation, color, and chiaroscuro, and the principles of design in architecture, sculpture, and painting, as exemplified in the historic forms of art.

Three hours. Through the year. Elective for students who have credit for 10, and who have taken or are taking 1, 2, 3. Given at the Rhode Island School of Design. *Tu., Th., Fri., at 2.20.*

12. *Seminary in Renaissance Art*

Critical study of the art of the fifteenth and sixteenth centuries, particularly Italian. A more detailed study of the spiritual conditions, the influences, and the masters than in 3.

Three hours. Through the year. Elective for Graduates who have credit for 3. Not offered in 1905-6.

II. ASTRONOMY

WINSLOW UPTON, A.M., *Professor of Astronomy*

FREDERICK SLOCUM, PH.D., *Assistant Professor of Astronomy*

1, 2, 3. *General Course*

Fundamental conceptions of the science; methods of professional study; present state of our knowledge of the heavenly bodies. Young's *Manual of Astronomy*; lectures and abstracts upon assigned topics. Designed either for purposes of general culture or as a preparation for technical work. *Professor UPTON.*

Three hours. Through the year. Elective for Juniors and Seniors who have credit for Mathematics 3, 1, 2. *Tu., Th., Fri., at 3.20.*

4, 5, 6. *Geodetic Astronomy*

Application of astronomy to geodesy; use of the sextant, transit, and zenith telescope for determining time, latitude, longitude, and azimuth. *Professor UPTON.*

Three hours. Through the year. Required of Engineering students. Elective for Juniors and Seniors who have credit for Mathematics 3, 1, 2. May be taken at the same time as 1, 2, 3. *Mon., Tu., Th., at 2.20. Instrumental observations at Ladd Observatory.*

7, 8, 9. *Nautical Astronomy*

Principles of navigation; methods of determining the position of a ship at sea; use of sextant, compass, and chart for determining latitude, longitude, bearings, and courses. *Professor SLOCUM.*

Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors, who have credit for Mathematics 3, 1, 2. May be taken at the same time as 1, 2, 3. Not elective for students who have taken or are taking 4, 5, 6. *Mon., Wed., Th., at 10.20.*

10, 11, 12. *Practical Astronomy*

Advanced study of geodetic applications of astronomy; method of least squares. Doolittle's *Practical Astronomy*, with instrumental observations. *Professor UPTON.*

Three hours. Through the year. Elective for Graduates, and for Undergraduates who have shown special aptitude for instrumental observations.

13, 14, 15. *Special Advanced Work*

Research work arranged to meet the requirements of individual students. *Professor UPTON.*

Three hours. Through the year. Elective for Graduates.

22, 23, 24. *Physical Geography*

First Term, meteorology. Second and Third Terms, physical geography of the sea and land. *Professor SLOCUM.*

Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors in the Women's College.

III. BIBLICAL LITERATURE AND HISTORY†

HENRY THATCHER FOWLER, PH.D., *Professor of Biblical Literature and History*

ERNEST THROWBRIDGE PAINE, A.M., *Instructor in Greek*

1. *Elementary Hebrew*

Grammar; exercises in writing Hebrew; translation of parts of Genesis and Deuteronomy. *Professor FOWLER.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. *Tu., Fri., Sat., at 10.20.*

2. *Historical Hebrew*

Reading of the books of Samuel and Kings with special attention to the acquisition of a vocabulary; review of the elements of Hebrew grammar and study of syntax. *Professor FOWLER.*

Three hours. Through the year. Elective for students who have credit for 1.

3. *Hebrew Seminary*

Subject for 1905-6: Prophetic Literature. Critical analysis and translation of the prophetic writings of the Old Testament and study of the development of Israel's prophecy. In succeeding years corresponding courses in the Psalm, Wisdom, and Legal Literature of the Old Testament will be offered. *Professor FOWLER.*

Three hours. Through the year. Elective for Graduates and approved Undergraduates.

4. *Textual Criticism of the Old Testament*

The principles and method of textual criticism, in connection with the study of one of the shorter prophetic books. *Professor FOWLER.*

Three hours. One Term. Offered if applied for by Graduates.

† For conditions under which students may receive credit in the Newton Theological Institution for work done in this department, see page 148, under Arrangements with Other Institutions.

The lectures formerly conducted by the club of the Biblical Department are now conducted by the Providence Biblical Institute, an association for the promotion of the literary and historical study of the Bible.

[5. *Biblical Aramaic*]

Grammar and reading of the Aramaic portions of the Old Testament. *Professor FOWLER.*

Three hours. First term. Elective for Seniors and Graduates who have credit for 1. Not offered in 1905-6.

6. *Elementary Arabic*

Grammar; exercises in writing Arabic; translation of prose selections. *Professor FOWLER.*

Two hours. Through the year. Elective for Seniors and Graduates.

[7, 8, 9. *Gospels and Epistles*]

First Term, the Johannine writings. Second Term, the Gospel of Mark and the First Epistle of Peter. Third Term, the Gospels of Matthew and Luke. *Professor FOWLER.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Each term may be elected independently. Not offered in 1905-6.

10, 11, 12. *Acts and Pauline Epistles*

Characteristics of Hellenistic Greek; translation, and investigation of date, authorship, and thought. First Term, Acts. Second Term, Thessalonians and Galatians. Third Term, Corinthians and Romans. *Professor FOWLER and Mr. PAINE.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Each term may be elected independently, *Mon., Tu., Th., at 2.20.*

[13. *Hebrew and Early Jewish History and Literature*]

First Term, early Semitic history, the formative age of Hebrew history, and Hebrew literature before the Monarchy. Second Term, history and literature of the Hebrew Monarchy. Third Term, Jewish history and literature from the Captivity to the Maccabean Revolt. This course includes nearly the entire Old Testament history and literature. In connection with 14, it gives a comprehensive view of Biblical history and literature. The Biblical books are read in the best English translations; no knowledge of the original languages is required. *Professor FOWLER.*

Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors. Not offered in 1905-6.

14. *Later Jewish and Early Christian History and Literature*

First Term, the Maccabean and Roman ages of Jewish history and

literature. Second Term, the four Gospels and the life of Christ. Third Term, the Epistles, Apocalypse, and history of the Apostolic age. This course includes a large part of the Jewish writings from the second century n. c. to the fall of Jerusalem, and the entire New Testament history and literature, studied in its Jewish setting. In connection with 13, it gives a comprehensive view of Biblical history and literature. The books are read in the best English translations; no knowledge of the original languages is required. *Professor FOWLER.*

Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors. *Mon., Wed., Th., at 10.20.*

15. *Biblical Seminary*

Subject for 1905-6: Messianic prophecy. No knowledge of Hebrew or Greek is required. *Professor FOWLER.*

Three hours. Through the year. Elective for Graduates and approved Juniors and Seniors.

IV. BOTANY

WILLIAM WHITMAN BAILEY, A.M., LL.D., *Professor of Botany*

JAMES FRANKLIN COLLINS, Ph.B., *Assistant Professor of Botany*

1.* *Introductory*

General morphology of seed-producing plants; experiments; classification; oecology, etc. *Professor BAILEY.*

Three hours. Six hours of attendance. Through the year. Elective for Undergraduates. *Mon., Tu., Th., at 11.20.*

2.* *Morphology and Physiology*

Minute structure, physiology, and chemistry, of cells and tissues; micro-technic; embryology; medicinal plants and their important constituents, etc. A general course, varying in details to meet the special needs of students of medicine and forestry. *Professor COLLINS.*

Three hours. Six hours of attendance. Through the year. Elective for Sophomores, Juniors, and Seniors who have credit for 1, and for approved Graduates. Not to be offered in 1906-7. *Mon., Wed., Fri., at 12.20.*

[3, 4, 5. *Cryptogams*]

Structure, development, physiology, embryology, classification, etc. First Term, lower fungi and algae. Second Term, higher fungi and fungal diseases of crops and trees. Third Term, hepatics, mosses, ferns, and their allies. *Professor COLLINS.*

Three hours. Six hours of attendance. Through the year. Course 3 is elective for Sophomores, Juniors, and Seniors who have credit for 1, and for approved Graduates. Courses 4 and 5 are each elective for those who have credit for 3. Not offered in 1905-6. To be offered in 1906-7.

6.* *Investigation*

The problems investigated vary, and the course may therefore be taken two or more years in succession. Students electing this course must definitely arrange with the instructors, before the end of the preceding academic year, for the collection of necessary material during the season of plant growth. *Professors BAILEY and COLLINS.*

Through the year. One to three hours. Two to six hours of attendance for Undergraduates. Primarily for Graduates, but elective for approved Juniors and Seniors.

V. CHEMISTRY

JOHN HOWARD APPLETON, A.M., Sc.D., *Newport-Rogers Professor of Chemistry*

JOHN EMERY BUCHER, Ph.D., *Associate Professor of Organic Chemistry*

VAHAN SIMON BABASINIAN, A.M., *Instructor in Chemistry*

RAYMOND DAVIS CADY, A.B., *Assistant in Chemistry*

RICHARD OWEN DUMMER, A.M., *Assistant in Chemistry*

1, 2, 3. *Descriptive Chemistry*

Non-metals; metals, their metallurgy, compounds, and practical applications; theoretical chemistry. Lectures with experiments; written exercises; individual laboratory work. *Professor BUCHER, Messrs. BABASINIAN and DUMMER.*

Three hours. Through the year. Elective for Undergraduates. *1st div. Mon., Th., at 10.20; 2d div. Tu., Fri., at 10.20; 3d div. Wed., Sat., at 11.20.* Laboratory hours to be arranged with the instructor.

4, 5. *Qualitative Analysis*

First Term, properties of the metallic elements; their separation from certain of their compounds. Laboratory work; recitations in qualitative analysis and in chemical philosophy; exercises in stoichiometry. Second Term, the principal non-metals and the acids formed by them; methods of separation and recognition of acids and acid radicles. *Professor APPLETON and Mr. CADY.*

Three hours. Six hours of attendance. First and Second Terms. Elective for Juniors who have credit for 1, 2, 3. *1st div. Fri. at 11.20; 2d div. Sat. at 10.20.* Laboratory hours to be arranged with the instructor.

6. *Quantitative Analysis*

Quantitative precipitations and separations of the most important elements and compounds; the principles upon which quantitative apparatus is constructed; chemical philosophy and stoichiometry continued. Chiefly laboratory work. *Professor APPLETON and Mr. CADY.*

Three hours. Six hours of attendance. Third Term. Elective for Juniors who have credit for 4, 5. *1st div. Fri., at 11.20; 2d div. Sat., at 10.20.* Laboratory hours to be arranged with the instructor.

7, 8, 9. *Quantitative Analysis, advanced course*

Assaying of metallic ores; analysis of agricultural materials: testing of chemicals used in textile establishments, etc. *Professor APPLETON and Mr. CADY.*

Six hours. Twelve hours of attendance. Through the year. Elective for Seniors and Graduates who have credit for 6. Laboratory hours to be arranged with the instructor.

10, 11, 12. *Organic Chemistry*

Preparation and analysis of representative organic compounds. Lectures, recitations, and laboratory work. *Professor BUCHER and Mr. BABASINIAN.*

Six hours. Through the year. First and Second Terms, three lectures a week and three laboratory periods a week. Elective for approved Juniors, Seniors, and Graduates. *Mon., Th., Fri., at 9.20.*

13. *Assaying*

Professor APPLETON and Mr. CADY.

Six hours. Twelve hours of attendance. Third Term. Elective for Seniors and Graduates who have credit for 1-6.

14. *Dyeing of Cotton, Wool, and Silk*

The preparation and use of mordants, dyestuffs, etc. *Professor APPLETON and Mr. CADY.*

Six hours. Twelve hours of attendance. Third Term. Elective for approved Seniors and Graduates.

15, 16, 17. *Industrial Chemistry*

Lectures and laboratory work. *Professor APPLETON.*

Three to six hours. Six to twelve hours of attendance. Through the year. Elective for approved Graduates. Each term may be elected separately.

18, 19, 20. *Physical Chemistry*

Lectures and laboratory work. *Professor* BUCHER.

Three hours. Through the year. Elective for approved Juniors, Seniors, and Graduates. *Mon., Tu., Th., at 11.20.*

[21, 22. *Organic Chemistry, advanced course*]

Professor BUCHER.

Three hours. First and Second Terms. Elective for approved Graduates. Not offered in 1905-6. To be offered in 1906-7.

[23. *Inorganic Chemistry, advanced course*]

Professor BUCHER.

Three hours. Third Term. Elective for approved Juniors, Seniors, and Graduates. Not offered in 1905-6. To be offered in 1906-7.

24, 25, 26. *Organic Preparations, advanced course*

Professor BUCHER.

Three hours. Through the year. Elective for approved Juniors, Seniors, and Graduates.

27, 28, 29. *Inorganic Preparations, advanced course*

Professor BUCHER.

Three hours. Through the year. Elective for approved Juniors, Seniors, and Graduates who have credit for 10, 11, 12.

30, 31, 32. *Research Work in Chemistry*

Professor BUCHER.

Three hours, or more. Through the year. Elective for Graduates.

33, 34, 35. *Conference on Special Topics in Chemistry*

Professor BUCHER.

One hour. Through the year. Elective for approved students.

36, 37, 38. *Conference on Special Topics in Chemistry*

Professor APPLETON.

One hour. Through the year. Elective for approved students.

VI. CIVIL ENGINEERING†

JOHN EDWARD HILL,† C.E.M., Sc.D., *Professor of Civil Engineering*

ARTHUR HORACE BLANCHARD, C.E., A.M., *Assistant Professor of Civil Engineering*

HENRY BERNARDIN DROWNE, C.E., *Instructor in Civil Engineering*

1, 2, 3. *Lettering*

Practice in simple forms of letters as a preparation for work in the drafting room. *Professor BLANCHARD and Mr. DROWNE.*

One hour. Two hours of drafting. Through the year. Not elective. *1st div. Tu., 2.20 to 4.20; 2d div. Fri., 10.20 to 12.20.*

4, 5, 6. *Surveying, elementary course*

Theory and practice of plane surveying; use of tape, compass, level, and transit; adjustments of instruments. Lectures, recitations, field work, and drafting. *Professor BLANCHARD and Mr. DROWNE.*

Three hours. Usually six hours of field work or drafting. Through the year. Elective for students who have credit for Mathematics 3, 1, 2, and for Mechanical Drawing 1 or 2. *Mon., Fri., 2.20 to 5.20.*

7. *Topographical Drawing*

Pen and colored topography; hill shading by different methods, contour drawing, topographic map-making, conventional signs for structural materials. *Mr. DROWNE.*

Three hours. Six hours of drafting. Second Term. Elective for Juniors and Seniors who have credit for Drawing 1 or 2. *Wed., Th., 2.20 to 5.20.*

8, 9. *Surveying, advanced course*

Topography and hydrography; city surveying; use of stadia, plane table, sextant, and barometer; precise base-line measurements with steel tape. Methods as in 4, 5, 6. *Professor BLANCHARD and Mr. DROWNE.*

Three hours and one hour. Second and Third Terms. Course 8 is taken during the spring recess. Elective for students who have credit for 4 and 5. *Wed. at 8.*

10, 11, 12, 13. *Railroad Engineering*

Theory, location, construction, and economics. Lectures, recitations, field work, and drafting. First Term, railroad curves and practical

† All courses in this department except 16 are required of candidates for the degree of Bachelor of Science in Civil Engineering; all except 1, 2, 3, and 32, 33 are elective for other students.

† On leave of absence during the academic year 1905-6.

problems; actual location of a line about two miles long, map, and estimate of cost. Second Term, railroad track and track work, ties, ballast, rails, frogs, switches, etc.; maintenance of way department; methods of work. Third Term, earthwork and its cost; economics of location. *Professor BLANCHARD and Mr. DROWNE.*

Two, four (eight hours of field work), three, and three hours. First, First, Second, and Third Terms. Elective for students who have credit for 6 and 9. First Term, *Tu., Wed., Th., at 8; Wed. 9.20 to 5.20.* Second Term, *Tu., Wed., Fri., at 9.20.* Third Term, *Mon., Wed., Fri., at 10.20.*

14. *Hydraulic Engineering*[‡]

Consideration of water supply mainly from a sanitary standpoint. A general course designed to give the chemical and biological aspects of water supply without laboratory work. Lectures, recitations, and seminary work. *Professor BLANCHARD.*

Three hours. Second Term. Elective for Juniors and Seniors. *Tu., Th., Fri., at 8.*

15. *Geodesy*

Problems in geodetic surveying, with sufficient theory for a proper understanding of the formulae used. Lectures and computations. *Mr. DROWNE.*

Three hours. One hour of recitation and five hours of computation. Third Term. Elective for students who have credit for 6 and 9, and Astronomy 5. *Wed. at 11.20; Tu. 9.20 to 11.20; Th. 3.20 to 6.20.*

[16. *Municipal Improvements*]

Economic and social aspects of sewerage, water works, pavements, etc. *Professor HILL.*

Three hours. First Term. Elective for Juniors and Seniors. Offered only if ten or more elect the course. Not offered in 1905-6.

17. *Hydraulic Engineering*[‡]

Supplements Mechanics 2, which gives the theoretical treatment of the subject. Consideration of water supply mainly from an engineering standpoint. Irrigation, pumps, and pumping machinery; construction of dams and reservoirs. Lectures, recitations, and seminary work. *Professor BLANCHARD.*

Three hours. Third Term. Elective for students who have credit for Mathematics 6, Mechanics 2, and Drawing 1. *Mon., Tu., Th., at 8.*

[‡]Courses 14, 17, and 18 cover the general subject of sanitation.

18. *Sanitary Engineering*†

Sewerage and house drainage; theory of sewerage, with occasional problems in design; treatment and disposal of sewage, stream pollution, appliances used in construction and maintenance; amount and velocity of flow; house drainage and its appliances; garbage collection and disposal. Lectures, recitations, and seminary work. *Professor BLANCHARD.*

Three hours. Third Term. Elective for students who have credit for Mathematics 6, Mechanics 2, and Drawing 1. *Mon., Tu., Th., at 9.20.*

19. *Roads and Pavements*

Economics and location of country roads; surveys, grades, drainage, and foundations; construction of roads of earth, gravel, and broken stone; economics and design of street pavements of asphalt, brick, cobble-stone, stone-block, and wood-block; methods of testing road materials; roads and pavements in foreign countries. *Professor BLANCHARD.*

Three hours. Third Term. Elective for Sophomores, Juniors, and Seniors. *Mon., Tu., Th., at 11.20.*

[20, 21, 22. *Laboratory Investigations*]§

Use and adjustment of instruments; testing materials; stereotomy. *Professor HILL.*

Three hours. Through the year. Elective for students who have credit for Mathematics 6, Mechanics 1, and Drawing 1. Not offered in 1905-6.

23. *Simple Framed Structures*

The standard forms of simple roof trusses; calculation by analytical methods of stresses due to dead, snow, and wind loads; calculation by analytical methods of stresses in Pratt, Howe, Warren, and parabolic trusses due to dead, wind, uniform live, excess panel live, and locomotive wheel loads; miscellaneous trusses, skew bridges, influence lines, cranes, trussed bents, and towers. Lectures, recitations, and seminary work. *Mr. DROWNE.*

Three hours. First term. Elective for students who have credit for Mathematics 6, Mechanics 1, and Drawing 1 or 2. *Mon., Tu., Th., at 9.20.*

24. *Higher Framed Structures*

Continuous bridges; theorem of three moments; swing bridges; cal-

† Courses 14, 17, and 18 cover the general subject of sanitation.

§ In 1905-6 students in Civil Engineering will take Mechanical Engineering 22 in place of Civil Engineering 20 and 21.

ulation of stresses in continuous and non-continuous centre-bearing swing bridges; draw-span machinery; cantilever bridges, and suspension bridges; general analysis of three-hinged, two-hinged, and fixed-end arches. Lectures, recitations, and seminary work. *Professor BLANCHARD.*

Two hours. Second Term. Elective for students who have credit for 23. *Tu., Th., at 9.20.*

25. *Structural Details*

Riveted joints, roof details, tension members, combined direct and bending stresses, secondary stresses, columns under direct and eccentric loading; details of wooden structures, plate girder, parabolic highway, pin-connected, and riveted Pratt truss railroad bridges; construction of viaducts and elevated railroads; steel mill-building and high building construction; comparison of standard structural specifications. Lectures and computations. *Professor BLANCHARD.*

Three hours. First term. Elective for students who have credit for Mathematics 6, Mechanics 1, and Drawing 1 or 2. *Mon., Tu., Fri., at 8.*

26. *Roof Design and Graphic Statics*

Graphic determination of centre of gravity and moment of inertia of combinations of structural shapes; determination by graphical methods of stresses in simple roof trusses; moment and shear diagrams for the determination of stresses in plate girder bridges, Pratt trusses, and bridge trusses with inclined chords. Complete design, with shop drawings, of a fifty to seventy foot roof truss. Revision and discussion of checked drawings. Drawing and computations, inspection trips. *Mr. DROWNE.*

Three hours. Six hours of drafting. First term. Elective for students who are taking 23 and 25. *Mon., Tu., Th., 10.20 to 12.20.*

27, 28. *Bridge Design*

Detail design, with shop drawings, of a heavy plate girder railroad bridge; general design, with shop drawings, of a two hundred foot parabolic highway bridge; general class design of a wooden trestle. Lectures on American and English shop practice, the esthetic design of bridges, design of stand pipes and elevated tanks, and American methods of erection of bridges and structures. Drawing, computations, field excursions, and seminary work or lectures. *Mr. DROWNE.*

Four and three hours. Eight and six hours of drafting. Second and Third

Terms. Elective for students who have credit for 23, 25, 26. Second Term, *Mon.*, 9.20 to 12.20; *Tu.* at 8; *Wed.*, 2.20 to 6.20. Third Term, *Tu.*, *Th.*, 2.20 to 5.20.

29. *Reinforced Concrete Structures.*

Properties of reinforced concrete; theory and design of reinforced concrete beams and arches; systems of reinforcement; methods of construction. *Professor BLANCHARD.*

One hour. Second Term. Elective for students who have credit for Mathematics 6 and Mechanics 1. *Th.* at 10.20.

30. *Masonry Structures*

Static and elastic theory of the masonry arch; design of a stone arch; determination of the forms and dimensions of stones in a plateband arch; theory and design of retaining walls, and of earth and high masonry dams. *Mr. DROWNE.*

Three hours. One hour of recitation and four hours of drafting. Second Term. Elective for students who have credit for Mechanics 1 and Drawing 1. *Mon.* at 8; *Fri.* 2.20 to 6.20.

31. *Foundations*

Soundings and borings, foundation-beds, deposition of concrete under water, timber foundations, coffer dams, open caissons, Cushing cylinder piers, pile formulae, driving and foundations, pneumatic caissons of wood and steel, open dredging. Poetsch freezing process, foundations in quicksand, foundations for high buildings, theory and design of piers for deep foundations. *Mr. DROWNE.*

Two hours. Third Term. Elective for students who have credit for Mechanics 1. *Wed.*, *Fri.*, at 9.20.

32, 33. *Engineering Jurisprudence*

Essential elements of a contract, the parties to a contract, considerations, bids and bidders, work for private parties and public work. Employment of engineers, liability of the engineer as a professional man; when his functions are judicial; when he is a public officer. Real property, water rights, ownership, rights of way, boundaries, incorporeal rights, and franchises. Engineering specifications and accompanying documents. *Professor BLANCHARD.*

One hour. Second and Third Terms. Required of candidates for the degree of Bachelor of Science in Civil Engineering; elective for Seniors who are studying Mechanical or Electrical Engineering. Second Term, *Fri.* at 9.20; Third Term, *Fri.* at 8.

34. *Rock Excavation and Tunneling**Professor* BLANCHARD.

One hour. Second Term. Elective for students who have passed in 13 and in Mechanics 1. *Tu. at 10.20.*

35. *Thesis*

A thesis is required of all candidates for the degree of Bachelor of Science in Civil Engineering. The thesis must embody either a design or a review of an engineering plant, appliance, process, or structure, or the results of an experimental investigation.

VII. COMPARATIVE ANATOMY

ALBERT DAVIS MEAD, PH.D., *Professor of Comparative Anatomy*FREDERICK POOLE GORHAM, A.M., *Associate Professor of Biology*LEONARD WORCESTER WILLIAMS, PH.D., *Assistant Professor of Comparative Anatomy*MICHAEL XAVIER SULLIVAN, PH.D., *Instructor in Physiology*FRANK TAYLOR FULTON, Sc.B., M.D., *Instructor in Pathology and Histology*MARION LYDIA SHOREY, PH.B., *Instructor in Physiology and Household Economics in the Women's College*JAY PERKINS, M.D., *Demonstrator in Anatomy*JOHN COMBE PEGRAM, A.B., M.D., *Demonstrator in Anatomy*1. *Introductory Course*

Designed for purposes of general culture as well as for an introduction to further work in this department. Laboratory work in gross and minute anatomy and physiology; introduction to scientific methods; structure and functions of animals; general principles of biology. *Professor* GORHAM.

Three hours. Six hours of attendance. Through the year. Elective for Undergraduates. *Mon., Tu., Th., 2.20 to 4.20.*

2. *Comparative Anatomy of Vertebrates*

Critical and comparative study of the vertebrate organs, with special reference to the structure of man. In addition to the regular lectures, occasional lectures by physicians and others on special subjects. A limited number of students are permitted to attend the clinics at the Rhode Island Hospital. *Professor* WILLIAMS.

Three hours. Six hours of attendance. Through the year. Elective for Sophomores, Juniors, and Seniors who have credit for 1, 20, or 21. Hours by arrangement with the instructor.

3. *Bacteriology*

Preparation and microscopic study of bacteria; the preparation of culture media; isolation, systematic study and determination of unknown species; qualitative and quantitative biological examination of water, milk, air, and soil; methods of determining pathogenic properties of bacteria; methods of sterilization and disinfection; special work on pathogenic forms. *Professor GORHAM.*

Three hours. Six hours of attendance. First Term. Elective for approved Juniors and Seniors. *Mon., Wed., Th., at 10.20.*

4. *Histology*

Structure of different kinds of tissues of the body, and the relation of structure to physiological activity; epithelium, nervous and reproductive tissue, glands, bone, cartilage, fat, fibrous tissues; training in technic of fixing, sectioning, and staining by various approved methods. *Professor WILLIAMS.*

Three hours. Six hours of attendance. Second Term. Elective for Juniors and Seniors who have credit for 1, 20, or 21.

5. *Advanced Histology*

Chiefly morphological study of the blood, the skin and its appendages, the gastro-intestinal tract, the circulatory system, and the muscles of man; relation of diseases to structural changes in the cells and tissues. *Dr. FULTON.*

Three hours. Six hours of attendance. Third Term. Elective for Juniors and Seniors who have credit for 4. *Wed., Th., 2.30 to 5.20.*

6. *Comparative Anatomy of Invertebrates*

Dissection of representative types; lectures on the comparative anatomy of invertebrate animals. Laboratory work and field excursions. *Professor WILLIAMS.*

Three hours. Six hours of attendance. Third Term. Elective for students who have credit for 1, 20, or 21.

7. *Chemical Physiology*

The chemistry of the proteids, carbohydrates, and fats; of salivary, gastric, and pancreatic digestion; of the blood, bile, and urine; the analysis of milk; toxicology. *Dr. SULLIVAN.*

Three hours. Six hours of attendance. First and Second Terms. Elective for Juniors and Seniors who have credit for Chemistry 2. *Tu., Fri., Sat., at 10.20.*

8. *Physical Physiology*

The physiology of muscle and nerve; the physics and physiology of the circulatory, respiratory, and alimentary systems; the causes and theories of sleep; the physiology of the special senses. *Dr. SULLIVAN.*

Three hours. Six hours of attendance. Third and First Terms. Elective for Juniors and Seniors who have credit for 7. *Mon., Wed., Th., at 11.20.*

[9. *Anatomy of the Nervous System*]

The gross anatomy and the microscopic structure of the nervous system in vertebrates, especially in man; phylogeny, embryology, and physiology of the nervous system, and special nerve methods in micro-technic. *Professor MEAD.*

Three hours. Six hours of attendance. Through the year. Elective for Juniors and Seniors who have credit for 1, 20, or 21. Not offered in 1905-6. Alternates with 10.

10. *Comparative Embryology*

Laboratory work. Principles of embryological development and of heredity, illustrated by the fertilization and cleavage of the egg, metamorphosis, and organ formation. Special attention given to the origin and development of the human body. *Professor MEAD.*

Three hours. Six hours of attendance. Through the year. Elective for Juniors and Seniors who have credit for 1, 20, or 21. Not to be offered in 1906-7. Alternates with 9.

11. *Biological Theories and Biological Problems*

Seminary course. *Professor MEAD.*

One to three hours. Once a week through the year. Elective for Graduates.

12. *Bacteriology, advanced course*

Laboratory work and seminary. *Professor GORHAM.*

Three to twelve hours. Through the year. Elective for Graduates.

13. *Physiology, advanced course*

Prescribed reading and seminary work. *Dr. SULLIVAN.*

One hour. Through the year. Elective for Graduates who have sufficient knowledge of chemistry and physiology.

14. *Human Anatomy*

Laboratory instruction. A course in practical dissection. Students will also have an opportunity to attend certain operations at the hospital and to be present at autopsies. *Dr. PERKINS and Dr. PEGRAM.* Three hours. Through the year. Elective for Graduates.

15. *Special Advanced Work*

Research work arranged to meet the requirements of individual students. *Professor MEAD.*

Three to twelve hours. Through the year. Elective for Graduates.

16. *General Biology*

Designed to give a general view of the whole field of biology: history of biology, principles of classification, geographical distribution, and problems of evolution such as heredity, natural selection, variation, Mendelism, and the general structural relations of man to the lower animals. Lectures and assigned reading. *Professor MEAD.*

Three hours. Third Term. Elective for Juniors and Seniors. *Mon., Wed., Th., at 10.20.*

20. *General Biology*

Designed to give a general survey of the animal kingdom and its development, by a study of the structure and habits of the organism, the development of the respiratory, circulatory, digestive, reproductive, and nervous systems from the lowest to the highest forms, adaptation to environment, and relation to other forms. Theories of evolution. Lectures, laboratory work, and excursions. *Miss SHOREY.* Three hours. Six hours of attendance. Through the year. Elective for all students in the Women's College. Alternates with 21. Not to be offered in 1906-7.

[21. *Anatomy and Physiology*]

Lectures and laboratory work in gross anatomy, histology, and physiology; intended to acquaint the student with the structure and functions of the human body, and with the general principles of biology. *Miss SHOREY.*

Three hours. Six hours of attendance. Through the year. Elective for all students in the Women's College. Alternates with 20. Not offered in 1905-6.

22. *Household Economics*

Chemistry, and nutritive, physiological, and economic values of food-stuffs; principles of home and municipal sanitation; bacteria in re-

lation to the household; personal hygiene. Lectures, laboratory work, visits to hospitals and public works. *Miss SHOREY.*

Three hours. Six hours of attendance. Through the year. Elective for Juniors and Seniors in the Women's College, and for other women who have credit for 3, 20, or 21.

VIII. ENGLISH LITERATURE AND LANGUAGE†

WALTER COCHRANE BRONSON, A.M., LITT.D., *Professor of English Literature*

LINDSAY TODD DAMON, A.B., *Professor of Rhetoric*

LORENZO SEARS,† A.M., LITT.D., *Associate Professor of American Literature*

ALBERT KNIGHT POTTER, A.M., *Associate Professor of the English Language*

GEORGE WYLLYS BENEDICT, PH.D., *Assistant Professor of English*

THOMAS CROSBY, A.M., *Assistant Professor of English and Public Speaking*

HENRY BARRETT HUNTINGTON, A.B., *Assistant Professor of English*

GEORGE WARRINGTON LATHAM, A.B., *Instructor in English*

WALTER CLARKE PHILLIPS, A.M., *Instructor in English*

HOWARD BRISTOL GROSE, JR., PH.B., *Instructor in English*

CHARLES STUART MITCHELL, A.B., *Assistant in English*

GEORGE RUPERT MACMINN, A.B., *Assistant in English*

1.* *Rhetoric and Composition*

Lectures and recitations upon the fundamental laws of style, with special emphasis upon usage; prescribed reading and themes. Designed to give the student a clear and correct style and some critical standards. *Professors DAMON and HUNTINGTON, Messrs. LATHAM, PHILLIPS, GROSE, MITCHELL, and MACMINN.*

Three hours. Through the year. Required of all Freshmen. *1st, 2d, and 3d div. Mon., Tu., Th., at 11.20; 4th, 5th, and 6th div. Mon., Wed., Fri., at 12.20.*

2.* *English Composition, second course*

Lectures, recitations, and prescribed reading; fortnightly themes

‡ Credit for English 1 is a prerequisite for admission to all other courses in English. The requirement in English Literature for the degree of Bachelor of Arts may be satisfied by taking any one of the courses from 10 to 23 inclusive.

† On leave of absence during the academic year 1905-6.

and other written exercises. Intended to supplement the training given in 1, and to develop further the power of exact and lucid statement. *Professor BENEDICT and Mr. LATHAM.*

Three hours. Through the year. Elective for Sophomores. *Mon., Wed., Th., at 10.20.*

3.* *English Composition, advanced course*

Intended to develop ease and flexibility of style and clarity and vigor of thought, by means of frequent practice in composition and criticism. *Professor DAMON.*

Three hours. Through the year. Elective for Juniors and Seniors, and for Sophomores who have attained the grade of C in 1. With the consent of the instructor, the course may be repeated. *Mon., Wed., Th., at 10.20.*

4.* *Argumentative Composition*

Lectures on the principles and forms of argumentative composition; frequent practice in brief-drawing and the writing of forensics and less formal arguments. Intended to develop the power of handling argumentative topics cogently and persuasively. *Professor HUNTINGTON, assisted by Mr. LATHAM.*

Three hours. Through the year. Elective for Juniors and Seniors. *Mon., Wed., Th., at 10.20.*

5. *Argumentative Composition*

The principles and forms of brief-drawing and forensic writing. Lectures, written exercises, briefs, and forensics. Intended to furnish a more rapid training than 4, for students who wish to begin debate as early as possible or who wish to go quickly over the fundamentals of argumentative composition. *Professor HUNTINGTON.*

Three hours. First Term. Elective for Juniors and Seniors. Not elective for students who have taken 4 or the course formerly known as 4, 5, 6. *Mon. at 3.20; Fri. at 2.20.*

6.* *Debate*

Intended to train students in correct and vigorous oral presentation of ideas. *Professor HUNTINGTON, with the coöperation of the Professors of Political Economy, Social and Political Science, History, and Public Speaking.*

Three hours. Second and Third Terms. Elective for a limited number of Juniors and Seniors who have credit for 5 or one or more terms of 4. With the consent of the instructor, the course may be repeated. *Mon. 3.20 to 5.20; Fri. 2.20 to 4.20.*

7.* *Public Speaking*

Principles of voice culture; vocal interpretation of literature; extempore speaking. *Professor* CROSBY.

Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors. *Wed., Fri., Sat., at 11.20.*

8. *Public Speaking, advanced course*

Reading the Bible, liturgy, and hymns. *Professor* CROSBY.

One hour. Two hours of class-room work. First Term. Elective for a limited number of Seniors. Not to be offered in 1906-7.

9.* *Old English*

Essentials of Anglo-Saxon grammar; prose selections; *Béowulf*. *Professor* POTTER.

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Th., at 10.20.*

10.* *Chaucer*

Sufficient study of the language to enable the student to read Middle English intelligently; the more important poems of Chaucer; selections from Langland and Gower; Chaucer in literary history. *Professor* BENEDICT.

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. *Tu., Th., Fri., at 3.20.*

11. *English Literature, introductory course*

An outline course in the history of English literature, with reading and study of the greater writers. *Professor* BRONSON.

Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors. *Tu., Th., Sat., at 12.20.*

[12. *English Literature, exclusive of the Drama, from 1400 to 1600*]

Mediaeval literary forms and the transition to the modern period: romance, ballad, allegory, satire, Elizabethan novels and lyrics. *Professor* BENEDICT.

Three hours. Through the year. Elective for students who have credit for any two of the courses from 9 to 23 inclusive. Students intending to take 12 are advised to take 10 previously. Not offered in 1905-6.

13. *History of the Drama in England*

The drama as a literary type, and its history in England to 1642. *Professor POTTER.*

Three hours. Through the year. Elective for students who have credit for any one of the courses from 10 to 23 inclusive. Not to be offered in 1906-7. *Mon., Wed., Fri., at 12.20.*

[14. *Shakspeare*]

Careful study of a few plays, with special attention to exact interpretation. *Professor POTTER.*

Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors. Not offered in 1905-6.

15. *Shakspeare*

Shakspeare as dramatist and poet; reading of all the plays. *Professor CROSBY.*

Three hours. Through the year. Elective for Juniors and Seniors. *Tu., Th., Sat., at 12.20.*

16. *English Literature, exclusive of the Drama, from 1600 to 1660*

The decline of the Elizabethan spirit; Puritanism and Anglicanism in literature; the "metaphysical" and mystical poets; the cavalier lyrists; all the English poems and the more important prose works of Milton. *Professor BRONSON.*

Three hours. Through the year. Elective for students who have credit for any one of the courses from 10 to 23 inclusive. Not to be offered in 1906-7. *Tu., Fri., Sat., at 10.20.*

[17. *English Literature from 1660 to 1798*]

The Restoration drama; the classical school; development of the essay and the novel; the beginnings of romanticism. *Professor BRONSON.*

Three hours. Two meetings a week, and a third meeting at the pleasure of the instructor. Through the year. Elective for students who have credit for any one of the courses from 10 to 23 inclusive. Not offered in 1905-6.

[18. *English Prose of the Nineteenth Century*]

Novels, essays, and miscellaneous prose writings; the influence of the social and intellectual tendencies of the period upon style and substance. *Professor DAMON.*

Three hours. Two meetings a week, and a third meeting at the pleasure of the instructor. Through the year. Elective for Sophomores, Juniors, and Seniors. Not offered in 1905-6.

19. *English Literature from 1798 to 1832*

The romantic revolt in its critical and imaginative phases; influence of the French Revolution; individualism in form and spirit. *Professor BENEDICT.*

Three hours. Two meetings a week, and a third meeting at the pleasure of the instructor. Through the year. Elective for Sophomores, Juniors, and Seniors. Not to be offered in 1906-7. *Mon., Tu., Th., at 11.20.*

20. *English Literature from 1832 to 1892*

The Victorian period; modifications of romanticism in prose and poetry; realism; influence of science and democracy; tendencies at the end of the century. *Professor DAMON.*

Three hours. Two meetings a week, and a third meeting at the pleasure of the instructor. Through the year. Elective for Sophomores, Juniors, and Seniors. Not to be offered in 1906-7. *Wed., Fri., Sat., at 11.20.*

[21. *Victorian Poets*]

A detailed study of Tennyson, Browning, Arnold, Clough, Rossetti, Morris, and Swinburne. *Professor CROSBY.*

Three hours. Through the year. Elective for students who have credit for any one of the courses from 10 to 23 inclusive. Not offered in 1905-6.

22. *American Literature*

American literature from the beginning, in its relation to American life and to English literature. *Professor BRONSON.*

Three hours. Two meetings a week, and a third meeting at the pleasure of the instructor. Through the year. Elective for students who have credit for one of the following courses: 11, 18, 19, 20. *Mon., Tu., Th., at 2.20.*

23. *Seminary in English Literature*

Subject for 1905-6: Spenser. Critical reading, with investigation of special problems of sources and formative influences, relation to other literary movements of the Elizabethan period, and influence on later poets. *Professor POTTER.*

Three hours. Two hours of attendance. Through the year. Elective for Graduates, and for a limited number of Seniors who have attained the grade of C in two of the courses from 9 to 23 inclusive.

IX. GEOLOGY

CHARLES WILSON BROWN, A.M., *Instructor in Geology*

[1, 2. *Mineralogy*]

A course in the recognition and determination of the commoner minerals; their occurrence in rocks. Lectures and laboratory work. Three hours. First and Second Terms. Elective for Sophomores and Juniors. Not offered in 1905-6.

3. *Mineralogy and Lithology*

Determination of the common rock-forming minerals and the general types of rocks. Building stones; their distribution, weathering qualities, and methods of preservation.

Three hours. Third Term. Two hours of lectures, two hours of laboratory work. Required in the Sophomore year of candidates for the degree of Bachelor of Science in Civil Engineering. Elective for Sophomores, Juniors, and Seniors. *Mon., Wed., Fri., at 12.20.*

[4, 5. *Petrography*]

Study of the optical properties of minerals, and their determination with the petrographic microscope; determination of rocks by means of the petrographic microscope; discussion of the fundamental principles of the origin and classification of rocks.

Three hours. Second and Third Terms. Elective for Juniors and Seniors who have credit for 1, 2, or 3, and Physics 4. Not offered in 1905-6.

6. *Dynamical and Structural Geology* ‡

Lectures and field work. Five field trips are taken in conjunction with the course and each student is required to take detailed field notes of the regions visited.

Three hours. First Term. Required in the Senior year of candidates for the degree of Bachelor of Science in Civil Engineering. Elective for Juniors and Seniors. Students intending to take 6 are advised previously to elect 1 and 2, or 3. *Mon., Wed., Fri., at 12.20.*

7. *Historical Geology* ‡

Review of the changes which the earth has undergone during its development, with special reference to the North American continent. Study of the types of life characteristic of the different periods and of the principles of organic evolution which they illustrate.

‡ After 1905-6, courses 6 and 7 will be required in preparation for 9.

Three hours. Second Term. Elective for Juniors and Seniors who have credit for 6. *Mon., Wed., Fri., at 12.20.*

9. *Field Geology* ‡

Geological maps, their use, and methods of construction. Practice in the actual working out of surface geology in an assigned definite area. Reports and thesis.

Three hours. One conference hour with one day a week in the field. First Term. Elective for Seniors and Graduates. *Tu. at 2.20.*

10. *Economic Physiography of the United States*

Lectures, laboratory and field work. The classification of land forms; their origin, growth, and decay; their geographical distribution. With special reference to the influence of physiography upon the economic development of a country.

Three hours. Third Term. Elective for Juniors and Seniors. *Mon., Tu., Th., at 2.20.*

[13. *Physiography*]

Weekly seminary through the year.

Elective for Graduates and others who have had sufficient preliminary training in Physiography. Not offered in 1905-6.

14. *Geologic Investigation in the Field and Laboratory*

Research work arranged to meet the needs of individual students. Through the year. Elective for Graduates.

X. GERMANIC LANGUAGES AND LITERATURES

ASA CLINTON CROWELL, PH.D., *Associate Professor of the Germanic Languages and Literatures*

JOHANNES BENONI EDUARD JONAS, PH.D., *Assistant Professor of the Germanic Languages and Literatures*

CLARENCE ELNATHAN NORRIS, A.M., *Instructor in German*

EDGAR LOUIS ASHLEY, A.M., *Assistant in German*

1. *Introductory Course*

Reading, grammar, composition, dictation, sight reading; selections

‡ After 1905-6, courses 6 and 7 will be required in preparation for 9.

in prose and poetry from standard authors. *Messrs. NORRIS and ASHLEY.*

Three hours. Through the year. Required of all students not presenting German for admission. *1st and 2d div. Tu., Wed., Sat., at 9.20; 3d div. Mon., Th., Fri., at 9.20; 4th div. Mon., Tu., Th., at 11.20; 5th div. Tu., Th., Sat., at 12.20.*

2. *Intermediate Course*

Selected works of classical and modern authors; study of syntax based upon the text. *Messrs. NORRIS and ASHLEY.*

Three hours. Through the year. Required of all Freshmen who presented elementary German for admission. Not elective for students who have taken German in college. *1st div. Wed., Fri., Sat., at 11.20; 2d div. Tu., Fri., Sat., at 10.20.*

3, 4, 5. *Drama of the Classic Period*

Lessing, Schiller, Goethe; two dramas of each author. Study of language and literature. *Professor JONAS.*

Three hours. Through the year. Elective for students who have credit for 1. Each term may be elected independently. *1st div. Mon., Wed., Th., at 10.20; 2d div. Wed., Fri., Sat., at 11.20.*

6. *Modern Prose*

Selections from the best nineteenth century authors, including history, biography, legend, and fiction. Special attention to sight reading; valuable for students using German sources in other subjects. *Professor JONAS.*

Three hours. Through the year. Elective for students who have credit for 1 or 2. Not open to students who have taken 10 or 11. *Tu., Fri., Sat., at 10.20.*

7. *Advanced Course in Standard Authors*

Selections; chiefly prose and drama. *Mr. NORRIS.*

Three hours. Through the year. Elective for students who have credit for 2, and for students who presented advanced German for admission. *Mon., Tu., Th., at 11.20.*

8. *Composition*

Continuation of the grammatical work of 1; practice in writing German. Most appropriately taken in connection with 3, 4, 5, or 6. *Professor JONAS.*

One hour. Through the year. Elective for students who have taken or are taking 2, 3, 4, 5, 6, or 7. *Tu. at 11.20.*

[10. *German Masterpieces I*]

Goethe's *Faust* (Parts 1 and 2), with some notice of recent dramas of kindred interest; with 11 presents those productions of the great German writers which deal with important psychological and moral problems. *Professor CROWELL.*

Three hours. Through the year. Elective for students who have credit for 3, 4, 5, or for 7. Not offered in 1905-6. To be offered in 1906-7.

11. *German Masterpieces II*

Wolfram von Eschenbach's *Parzival*, Schiller's *Wallenstein*, Lessing's *Nathan der Weise*. *Professor CROWELL.*

Three hours. Through the year. Elective for students who have credit for 3, 4, 5, or for 7. *Mon., Th., Fri., at 9.20.*

12, 13, 14. *German Literature*

A three-years' course in literature covering the principal literary movements in Germany from the earliest times to the present. Lectures, reports on assigned topics, extended reading. Subject for 1905-6: Literature of the Romantic Period. *Professor CROWELL.*

Three hours. Through the year. Elective for students who have credit for 7, 10, or 11. *Tu., Th., Sat., at 12.20.*

[15. *Middle High German*]

Paul's *Mittelhochdeutsche Grammatik*; *Das Nibelungenlied*, Hartmann von Aue's *Der arme Heinrich*, Wolfram von Eschenbach's *Parzival*, lyrics of Walther von der Vogelweide. *Professor CROWELL.*

Three hours. Through the year. Elective for students who have credit for 10, 11, or 14. Not offered in 1905-6.

16. *Old High German*

Braune's *Althochdeutsche Grammatik* and *Althochdeutsches Lesebuch*. *Professor JONAS.*

Two hours. Through the year. Elective for Graduates.

17. *Germanic Mythology*

Primitive Germanic religion, customs, and ideas, in their relations to German literature. Discussions based on E. Mogk's *Germanische Mythologie*. *Professor CROWELL.*

One hour. Through the year. Elective for Juniors, Seniors, and Graduates.

[18. *Germanic Philology*]

Discussions based on Paul's *Grundriss der Germanischen Philologie*.
Professor CROWELL.

One hour. Through the year. Elective for Graduates. Not offered in 1905-6.

[19. *German Poetry*]

Comparative study of representative poems. First Term, epics; Second Term, ballads; Third Term, lyrics. *Professor JONAS.*

Three hours. Through the year. Elective for students who have credit for 10 or 11. Not offered in 1905-6.

20. *Old Norse*

Holthausen's *Altisländisches Elementarbuch*; Wilken's *Prosaische Edda*; *Die Lieder der Edda*, edited by Sijmons and Gering. *Professor CROWELL.*

Two hours. Through the year. Elective for Graduates. Students electing Old Norse should also take Germanic Mythology.

[21. *Gothic*]

Discussion of East Germanic languages and of Gothic etymology. Reading of extracts in Streitberg's *Gotisches Elementarbuch* or Braune's *Gotische Grammatik*. *Professor CROWELL.*

Two hours. Through the year. Elective for Graduates. Students electing Gothic should also take Germanic Philology. Not offered in 1905-6. To be offered in 1906-7.

XI. GREEK LITERATURE AND HISTORY †

JAMES IRVING MANATT, PH.D., LL.D., *Professor of Greek Literature and History*

FRANCIS GREENLEAF ALLINSON, † PH.D., *David Benedict Professor of Classical Philology*

LIDA SHAW KING, A.M., *Assistant Professor of Classical Philology*

ERNEST TROWBRIDGE PAINE, A.M., *Instructor in Greek*

GUY BLANDIN COLBURN, A.M., *Assistant in Greek*

A, B, C. *Elementary Course*

Aims to cover as much as possible of the entrance requirements in Greek. Supplemented by private study in the summer, it should enable the student to take 1 and 2 in the following year. He may then

‡ Courses 1, 2, 3 are a prerequisite for the more advanced courses in this department.

† On leave of absence during the academic year 1905-6.

by private study complete the entrance requirements in Homer in time to take 3 in the spring. *Professor MANATT and Messrs. PAINE and COLBURN.*

Three hours. Through the year. Elective for students who have not taken Greek before entering college. *Tu., Th., Sat., at 12.20.*

1. *Lysias*

Reading of select orations; practice in sight reading. *Professor MANATT and Mr. PAINE.*

Three hours. First Term. Elective for students who presented elementary and advanced Greek for admission, or who have credit for Greek A, B, C and have done the additional work indicated above. *1st div. Tu., Fri., Sat., at 10.20; 2d div. Tu., Th., Sat., at 12.20.*

2. *Plato*

Plato's *Apology* and *Crito*, with other selections for sight reading. *Professor MANATT and Mr. PAINE.*

Three hours. Second Term. Elective for students who have credit for 1. *1st div. Tu., Fri., Sat., at 10.20; 2d div. Tu., Th., Sat., at 12.20.*

3. *Homer*

The *Odyssey*, four books; rapid reading of other books; lectures on the life of the Heroic Age as revealed in the poems and illustrated by recent archaeological research. *Professor MANATT and Mr. PAINE.*

Three hours. Third Term. Elective for students who have credit for 1 and 2. *1st div. Tu., Fri., Sat., at 10.20; 2d div. Tu., Th., Sat., at 12.20.*

4. *Lucian*

Selected writings. *Mr. PAINE.*

Three hours. First Term. Elective for Sophomores. *Mon., Wed., Th., at 10.20.*

5. *Greek Lyric Poets*

The chief remains of Greek lyric poetry from Alkman to Timotheos (not including Pindar). *Professor MANATT.*

Three hours. Second Term. Elective for Sophomores. *Mon., Wed., Th., at 10.20.*

6. *Dramatic Poets*

Lectures on the Greek drama. The *Prometheus* of Aeschylus, the *Antigone* of Sophocles. *Mr. PAINE.*

Three hours. Third Term. Elective for Sophomores. *Mon., Wed., Th., at 10.20.*

[7. *Plato and Aeschylus*]

Republic, book x; selections from books 1-1x; *Agamemnon*. Professor ALLINSON.

Three hours. First Term. Elective for Juniors and Seniors. Not offered in 1905-6.

8. *Homer*

Advanced course in the *Iliad* or the *Odyssey*, intended to serve as an introduction to prehistoric archaeology and as a preparation for teaching Homer. Professor MANATT.

Three hours. First Term. Elective for Juniors and Seniors. *Wed., Fri., Sat., at 11.20.*

[9. *Pindar and Bacchylides*]

Selections from the works of Pindar, and the whole of Bacchylides. Professor MANATT.

Three hours. Third Term. Elective for Juniors and Seniors. Not offered in 1905-6.

[10. *The Drama*]

The *Medea* of Euripides and the *Frogs* of Aristophanes, with rapid reading of one play of Aeschylus for literary criticism. Professor ALLINSON.

Three hours. First Term. Elective for Juniors and Seniors. Not offered in 1905-6.

11. *Herodotus*

History of the Persian Wars. Professor MANATT and Mr. PAINE.

Three hours. Second Term. Elective for Juniors and Seniors. *Wed., Fri., Sat., at 11.20.*

12. *Thucydides*

The Sicilian Expedition. Professor MANATT.

Three hours. Third Term. Elective for Juniors and Seniors. *Wed., Fri., Sat., at 11.20.*

[13. *Lucian*]

Advanced course. Professor ALLINSON.

Three hours. First Term. Elective for Juniors and Seniors. Not offered in 1905-6.

[14. *Aeschines and Demosthenes*]

Speeches on the Crown; study of the Macedonian period and of Athenian political life. *Professor MANATT.*

Three hours. Second Term. Elective for Juniors and Seniors. Not offered in 1905-6.

[16, 17, 18. *Homer*]

The *Odyssey*; portions of the *Iliad* and the *Hymns* in the original; the remainder of the poems in translation. *Professor MANATT.*

Three hours. Through the year. Elective for Juniors and Seniors. Not offered in 1905-6.

19, 20. *Greek Composition*

Mr. PAINE.

One hour. Second and Third Terms. Elective for Sophomores, Juniors, and Seniors. *Fri. at 2.20.*

21, 22. *Modern Greek*

Introduction to the language; readings from living Greek authors and Greek newspapers. *Professor MANATT.*

One hour. Second and Third Terms. Elective for Sophomores, Juniors, and Seniors.

23, 24, 25. *Greek Seminary*

The subjects for 1905 are: Aristotle's *Poetic*, Hesiod, the *Homeric Hymns*. *Professor MANATT.*

One two-hour session weekly. Through the year. Elective for Graduates and approved Seniors.

[26. *Attic Orators*]

Isaeus; Greek historical inscriptions. *Professor MANATT.*

Two hours. First Term. Elective for Graduates and approved Seniors. Not offered in 1905-6.

[27, 28. *Homer and Mycenaean Archaeology*]

The Achillean books of the *Iliad* and the Ithacan books of the *Odyssey* studied in the light of recent archaeological discoveries. *Professor MANATT.*

Two hours. First and Second Terms. Elective for Graduates and approved Seniors. Not offered in 1905-6.

[29. *Demosthenes*]

Private speeches, selected to illustrate the workings of Athenian institutions. *Professor* MANATT.

Three hours. First Term. Elective for Graduates. Not offered in 1905-6.

30, 31, 32. *Hellenistic Greek*

For details see Biblical Literature and History 10, 11, 12. *Professor* FOWLER and *Mr.* PAINE.

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates.

[33. *Greek Life*]

The private and public life of the Greeks studied in the light of their literature and monuments. Syllabus, lectures, and prescribed reading, with frequent reports, written tests, and a thesis. No knowledge of Greek or Latin required. The course is continued in the Second and Third Terms as Latin 28, 29. The three terms together constitute the course called the History of Greek and Roman Life and Institutions. *Professor* MANATT.

Three hours. First Term. Elective for Freshmen and Sophomores. Not offered in 1905-6.

34. *Greek Literature*

A brief history of the literature of the Greeks from Homer to Theocritus, with study of the masterpieces in the best English translations. No knowledge of Greek or Latin required. This course is continued in the Second and Third Terms as Latin 30, and Greek 35. The three terms together constitute the course in Greek and Roman Literature, which alternates with Greek 33, Latin 28, 29. *Professor* MANATT.

Three hours. First Term. Elective for Freshmen and Sophomores. *Mon., Tu., Th., at 11.20.*

35. *Later Greek (and Latin) Literature*

A continuation of Greek 34 and Latin 30. Half of the term only will be given to Greek Literature. (See Latin 30.) *Professors* MANATT and HARKNESS.

Three hours. Third Term. Elective for Freshmen and Sophomores. *Mon., Tu., Th., at 11.20.*

36. *Introduction to Greek Archaeology*

Outline of the remains of the earliest Greek civilization; an intro-

ductory study of Greek vases, coins, small bronzes, and terra-cotta figurines. Intended to give a general survey of these sources for Greek history and life. Illustrated lectures; collateral reading. *Professor KING.*

Three hours. Third Term. Elective for any student in the Women's College who has completed one course in Latin or Greek.

The Harkness Classical Club meets once a month for the reading of papers and for discussion. Arrangements also are made from time to time for public addresses.

XII. HISTORY ‡

WILLIAM MACDONALD, PH.D., LL.D., *Professor of History*

WILFRED HAROLD MUNRO, A.M., *Professor of European History*

1. *Mediaeval and Modern History of Europe*

A general survey of the history of western Europe from the time of the barbarian invasions to the Napoleonic wars. Work based upon a narrative text-book supplemented by lectures, frequent written tests, and written reports and abstracts on assigned reading and topics for special investigation. *Professor MACDONALD.*

Three hours. First and Second Terms. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy in either the Sophomore or the Junior year. *Tu., Wed., Sat., at 9.20.*

2. *Spanish History*

Development of Spanish institutions, political and social; rise and greatness of Spain as a European power; its colonial system; its position with reference to the Reformation and the subsequent religious wars. *Professor MUNRO.*

Three hours. First Term. Elective for Juniors, Seniors, and Graduates. *Tu., Th., Sat., at 12.20.*

3. *Islam and the Crusades*

Social and political conditions in Europe and the East at the beginning of the Crusades; organization and internal condition of Islam;

‡ The elective courses in History are regularly open only to those who have credit for 1; but, by special permission of the instructor, elective courses may be taken by Juniors and Seniors who are at the same time taking 1. The only elective courses in History open to Sophomores are 6 and 7.

effects of the Crusades on the thought, life, and political development of Europe. *Professor MUNRO.*

Three hours. Second Term. Elective for Juniors, Seniors, and Graduates. *Tu., Th., Sat., at 12.20.*

4. *Period of the Renaissance*

Preparation for the Renaissance in the intellectual and social life of Europe; spread of the revival; connection between the Renaissance and the Reformation; artistic and literary aspects of the movement. *Professor MUNRO.*

Three hours. First Term. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Fri., at 12.20.*

5. *Period of the Reformation*

Early movements of dissent from the Roman Church; Protestant revolt in Germany, Switzerland, France, and England; political and social aspects of the Reformation; religious wars; the effects on religious belief and church organization. *Professor MUNRO.*

Three hours. Second Term. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Fri., at 12.20.*

6. *The French Revolution*

Rise and progress of the Revolution in France; political and social conditions in Europe 1789-1815; permanent results of the Revolution, particularly its effect on political thought and practice. *Professor MUNRO.*

Three hours. Third Term. Elective for Juniors, Seniors, and Graduates, and for Sophomores who have credit for 1. *Mon., Wed., Fri., at 12.20.*

7. *European History since 1815*

Political development of the more important states and their diplomatic relations; revolutions of 1830 and 1848; free-trade movement in England; achievement of Italian unity; founding of the German Empire; the Franco-Prussian War; the Eastern question, etc. *Professor MUNRO.*

Three hours. Third Term. Elective for Juniors, Seniors, and Graduates, and for Sophomores who have credit for 1. *Tu., Th., Sat., at 12.20.*

8, 9, 10. *English Constitutional and Political History to 1689*

Formation of the English constitution; establishment and growth of the church; relations with Scotland and Ireland; the Reformation; the Puritan Revolution. *Professor MUNRO.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Each term may be elected independently. *Mon., Tu., Th., at 2.20.*

[11, 12, 13. *English Constitutional and Political History since 1689*]

Foreign relations; development of party government and the cabinet system; social and political changes of the nineteenth century. *Professor MUNRO.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Each term may be elected independently. Not offered in 1905-6. To be offered in 1906-7.

14, 15, 16. *Seminary in European History*

Discussion of assigned subjects, reports of reading and investigation, and similar exercises. *Professor MUNRO.*

Three hours. One hour of class-room attendance. Through the year. Elective for Graduates and approved Seniors. Each term may be elected independently.

[17. *American History to 1763*]

American colonial history as illustrative of the colonial policies of European states in the 16th-18th centuries; development of colonial and local forms of government; intercolonial wars; colonial slavery. Lectures, supplemented by assigned reading and detailed study of the texts of representative documents. *Professor MACDONALD.*

Three hours. First and Second Terms. Elective for Juniors, Seniors, and Graduates. Not offered in 1905-6. To be offered in 1906-7.

[18. *The American Revolution, 1763-1787*]

Lectures, supplemented by assigned reading and detailed study of the texts of representative documents. *Professor MACDONALD.*

Third Term. Elective for Juniors, Seniors, and Graduates who have credit for 17, and for others by consent of the instructor. Not offered in 1905-6. To be offered in 1906-7.

19, 20, 21. *History of the United States since 1787*

The organization of the national government and its administrative development; slavery; extension of national territory; the bank controversy; the Civil War; the reconstruction period. Third term devoted to the period from 1861 to the present. Methods of instruction as in 17 and 18. *Professor MACDONALD.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Each term may, by the consent of the instructor, be elected separately. Not to be offered in 1906-7. *Wed., Fri., Sat., at 11.20.*

22, 23, 24. *Research Course in American History*

Designed to afford training in historical investigation and practice in the use of sources. Each member of the class is expected to present each term a piece of written work, on an assigned topic, embodying the results of special research. The subjects vary from year to year, being chosen from the colonial and constitutional periods in alternate years. For 1905-6 the subjects are: First Term, "The critical period," 1781-9; Second Term, The social development of the United States, 1780-1810; Third Term, The administration of John Quincy Adams. For 1906-7 the subjects will be: First and Second Terms, Selected topics in the ecclesiastical and religious history of the New England colonies; Third Term, The navigation acts and acts of trade. *Professor MACDONALD.*

Three hours. One hour of attendance. Through the year. Elective for Graduates and approved Seniors. The course presupposes a knowledge of 17, 18 or 19, 20, 21, but by special permission it may be taken by those who are taking 17, 18 or 19, 20, 21. Each term may, by the consent of the instructor, be elected separately.

25.* *Principles of Historical Criticism and Research*

First and Second Terms, the general principles of historical criticism and the literature of historical theory. Langlois and Seignobos's *Introduction to the Study of History* is used as a manual. Third Term, historical bibliography, the periods chosen varying from year to year. *Professor MACDONALD.*

One hour. Through the year. Elective for Graduates of one year's standing. Required of all candidates for the degree of Doctor of Philosophy in History.

XIII. INDO-EUROPEAN PHILOLOGY

FRANCIS GREENLEAF ALLINSON,† Ph.D., *David Benedict Professor of Classical Philology*

[1. *General Introduction to the Study of Language*]

Outline of the history of language. The Indo-European family. Adapted for students of ancient or modern languages. A continua-

† On leave of absence during the academic year 1905-6.

tion of Greek 34, Latin 30. The three terms together constitute the course in Greek and Roman Literature and the History of Language. This year Greek 35 takes the place of Indo-European Philology 1. Three hours. Third Term. Elective for Freshmen and Sophomores. Not offered in 1905-6.

[4. *Seminary in Comparative Philology*]

For advanced students in Greek and Latin.

One two-hour session weekly. Third Term. Elective for Graduates and approved Seniors. Not offered in 1905-6.

[7, 8, 9. *Sanskrit, elementary course*]

Whitney's *Grammar*; Lanman's *Reader*, selections from the *Vedic Hymns*.

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Not offered in 1905-6.

[10, 11, 12. *Sanskrit, advanced course*]

Vedic Hymns, and other selections.

One hour. Through the year. Elective for students who have credit for 7, 8, 9. Not offered in 1905-6.

XIV. MATHEMATICS †

NATHANIEL FRENCH DAVIS, A.M., LL.D., *Professor of Pure Mathematics*

HENRY PARKER MANNING, Ph.D., *Assistant Professor of Pure Mathematics*

FREDERICK SLOCUM, Ph.D., *Assistant Professor of Astronomy*

CLINTON HARVEY CURRIER, A.M., *Instructor in Mathematics*

GEORGE BARROWS OBEAR, Sc.M., *Assistant in Mathematics*

3. *Algebra*

Professors DAVIS and MANNING, Messrs. CURRIER and OBEAR.

Four hours. First Term. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who presented only Plane Geometry for admission. *Tu., Wed., Fri., Sat.: 1st and 4th div. at 8; 2d, 3d, and 5th div. at 9.20.*

† The Undergraduate courses 1-11 should be taken in the order in which they are printed. Courses 12, 13, 14 may be taken at any time after the Freshman year. Courses 17-21 are designed for students who are taking or who intend to take engineering courses. Courses 22-26 are designed for Graduates; two or three of these courses are offered each year according to the needs of the students. For those who have taken them all, other courses can usually be arranged.

1. *Geometry, Solid and Spherical*

Professors DAVIS, MANNING, and SLOCUM, *Mr.* OBEAR.

Four hours. Second Term. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who presented only Plane Geometry for admission. *Tu., Wed., Fri., Sat.: 1st and 4th div. at 8; 2d, 3d, and 5th div. at 9.20.*

2. *Trigonometry*

Professors MANNING and SLOCUM, *Messrs.* CURRIER and OBEAR.

Four hours. Third Term. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who presented only Plane Geometry for admission. *Tu., Wed., Fri., Sat.: 1st and 4th div. at 8; 2d, 3d, and 5th div. at 9.20.*

4. *Analytic Geometry*

Professor DAVIS.

Three hours. First and Second Terms. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who presented Solid Geometry and Plane Trigonometry for admission. Elective for students who have credit for 1, 2, 3. *Mon., Wed., Fri., at 12.20.*

5. *Differential Calculus*

Professor DAVIS.

Three hours. Third Term. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who presented Solid Geometry and Plane Trigonometry for admission. Elective for students who have credit for 4. *Mon., Wed., Fri., at 12.20.*

6. *Integral Calculus*

Professor DAVIS.

Three hours. First Term. Elective for students who have credit for 5. *Tu., Th., Sat., at 12.20.*

7. *Applications of the Differential Calculus*

Professor DAVIS.

Three hours. Second Term. Elective for students who have credit for 5 and 6. *Tu., Th., Sat., at 12.20.*

8. *Applications of the Integral Calculus*

Professor SLOCUM.

Three hours. Third Term. Elective for students who have credit for 6. *Tu., Th., Sat., at 12.20.*

9, 10, 11. *Differential Equations*

Professor MANNING.

Three hours. Through the year. Elective for students who have credit for 6. First Term required of candidates for the degree of Bachelor of Science in Electrical Engineering. *Tu., Th., Fri., at 2.20.*

12. *Determinants and Theory of Equations*

Professor MANNING.

Three hours. Second Term. Elective for students who have credit for 3 or 16.

[13. *Modern Methods of Analytic Geometry*]

Professor MANNING.

Three hours. Third Term. Elective for students who have credit for 4. Not offered in 1905-6.

14. *Solid Analytic Geometry*

Professor MANNING.

Three hours. Third Term. Elective for students who have credit for 4.

15. *Spherical Trigonometry*

Mr. CURRIER.

One hour. First Term. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who presented Solid Geometry and Plane Trigonometry for admission. Elective for students who have credit for 2 and who have not taken Spherical Trigonometry. *Mon., Th., at 9.20.*

16. *Algebra*

Professor SLOCUM and Mr. CURRIER.

One hour, First Term. Two hours, Second and Third Terms. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who presented Solid Geometry and Plane Trigonometry for admission. *Mon., Th., at 9.20.*

17. *Algebra*

Professor SLOCUM and Mr. CURRIER.

Six hours. First Term. Required of candidates for the degree of Bachelor of Science. *Mon., Tu., Wed., Th., Fri., Sat.: 1st div. at 8; 2d div. at 9.20; 3d div. at 10.20.*

18. *Trigonometry, Plane and Spherical*

Professor SLOCUM and Mr. CURRIER.

Six hours. Second Term. Required of candidates for the degree of Bachelor

of Science. *Mon., Tu., Wed., Th., Fri., Sat.*: 1st div. at 8; 2d div. at 9.20; 3d div. at 10.20.

19. *Analytic Geometry*

Professors DAVIS and SLOCUM, Mr. CURRIER.

Six hours. Third Term. Required of candidates for the degree of Bachelor of Science. *Mon., Tu., Wed., Th., Fri., Sat.*: 1st div. at 8; 2d div. at 9.20; 3d div. at 10.20.

20. *Differential Calculus*

Professors DAVIS and SLOCUM.

Five hours. First Term. Required of candidates for the degree of Bachelor of Science. *Tu., Wed., Th., Fri., Sat.*, at 8.

21. *Integral Calculus*

Professor DAVIS and Mr. CURRIER.

Three hours. Second and Third Terms. Required of candidates for the degree of Bachelor of Science. *Tu., Wed., Fri.*, at 8.

[22. *Theory of Functions*]

Professor MANNING.

Three hours. Through the year. Elective for Graduates and approved Seniors. Not offered in 1905-6.

23. *Differential Equations, advanced course*

Professor MANNING.

Three hours. Through the year. Elective for Graduates who have credit for 22.

[24. *Advanced Algebra*]

Professor MANNING.

Three hours. Through the year. Elective for Graduates and for approved Seniors. Not offered in 1905-6.

[25. *General Theory of Curves and Surfaces*]

Professor MANNING.

Three hours. Through the year. Elective for Graduates and approved Seniors. Not offered in 1905-6.

26. *Quaternions and allied subjects*

Professor MANNING.

Three hours. Through the year. Elective for Graduates and approved Seniors.

XV. MECHANICAL ENGINEERING‡

WILLIAM HERBERT KENERSON, M.E., *Assistant Professor of Mechanical Engineering*

THURSTON MASON PHETTEPLACE, PH.B., M.E., *Instructor in Mechanical Engineering*

WILLIAM DAY APPLETON, M.E., *Assistant in Mechanical Engineering*

HENRY DEWEES CADY, *Instructor in Shop Practice*

1, 2, 3. *Wood-work*

Exercises in carpentry, wood-turning, and pattern-making. *Mr. CADY.*

Three hours in any term. Seven hours of attendance. Elective for Sophomores, Juniors, and Seniors who have had instruction in drawing. *Tu. 2.20 to 5.20; Fri. 2.20 to 6.20.*

4, 5, 6, 7. *Metal-work*

Exercises in chipping and filing; use of machine tools; forging and hardening tools, etc. *Mr. CADY.*

Three hours in any term. Seven hours of attendance. Elective for Sophomores, Juniors, and Seniors who have had instruction in drawing. *Wed. 2.20 to 5.20; Fri. 2.20 to 6.20.*

8, 9, 10, 11. *Kinematics*

Velocity ratios, rolling curves, cams, gearing, linkwork, belting, trains of mechanism and aggregate combinations; machine tools and the application of the foregoing principles to produce the desired relative motions of their parts. Recitations, drawing, and the solution of problems. Three hours of drawing are considered the equivalent of one hour of recitation. *Mr. PHETTEPLACE.*

Three hours. Third, First, Second, and Third Terms. Elective for students who have credit for Mechanical Drawing 5. *Tu. at 12.20; Mon., Th., 2.20 to 5.20.*

12, 13, 14, 15. *Machine Design*

Principles of mechanics and strength of materials applied to the design of representative types of boilers, engines, and various mechanisms; solution of problems illustrating the method of designing

‡ All courses in this department are required of candidates for the degree of Bachelor of Science in Mechanical Engineering. Courses 1-7 are all open to Sophomores, Juniors, and Seniors, but not more than two of them may be counted towards the degree of Bachelor of Arts or Bachelor of Philosophy.

bolts and nuts, keys, journals and bearings, fly-wheels, valve gears, etc. Lectures, calculation, and drawing. *Mr. PHETTEPLACE.*

Three hours. Six hours of attendance. First, Second, Third, and Third Terms. Elective for students who have credit for 8, 9, 10, 11 and Mechanics 1. *Mon. Th., 10.20 to 1.20.*

16, 17, 18. *Thermodynamics*

Principles of gases and vapors as applied to steam, gas, and other heat engines, air-compressors, refrigerating apparatus, etc.; discussion of the energy of fuel and the utilization of such energy for power purposes by means of various media; laws of the relation of variations of pressure, temperature, and volume of such media; design of proper cylinders for producing a desired amount of power. Principles of the injector and ejector. *Professor KENERSON.*

Three hours. First, Second, and Third Terms. Elective for students who have credit for Physics 1, 2, 3 and Mathematics 5, 6, 7 or 20, 21. *Wed., Fri., Sat., 11.20 to 1.20.*

19, 20, 21. *Steam Engineering*

Practical applications of the principles of thermodynamics and mechanics to the production, transmission, utilization, and measurement of power; valves and valve gears, and valve setting; indicator practice and tests of various forms of steam engines, gas engines, etc.; standardization of auxiliary apparatus used in making the various tests; boiler testing; flue gas and fuel analysis, etc. Largely a laboratory course. *Professor KENERSON.*

Three hours. First, Second, and Third Terms. Elective for students who have taken or are taking 16, 17, 18. *Tu. at 9.20 and 2.20 to 4.20; Wed., Sat., at 9.20.*

22. *Materials of Engineering*

Study of the sources, manufacture, and properties of the important materials used in engineering; laboratory tests to determine the behavior of materials when subjected to tensile, compressive, and torsional stresses; mixing and testing of cements and mortars; preparation and examination of sections for the microscopical study of the structure of metals and alloys. *Professor KENERSON and Mr. APPLETON.*

Three hours. First and Second Terms. Elective for students who have credit for Mechanics 1. *Wed., Fri., at 10.20. 1st div. Mon. 2.20 to 4.20; 2d div. Tu. 2.20 to 4.20; 3d div. Th. 2.20 to 4.20.*

23. Power Plant Engineering

Discussion of the relation and coördination of the various parts of the complete power plant; management, and methods of determining efficiency; selection, from manufacturers' catalogues and actual inspection, of the best equipment for the solution of various engineering problems. Lectures, recitations, tests, and tours of inspection. *Professor KENERSON and Mr. PHETTEPLACE.*

Three hours. First Term. Elective for students who have credit for 19, 20, 21. *Wed., Fri., 2.20 to 5.20.*

24. Advanced Laboratory Course

Solution of higher problems in Mechanical Engineering. *Professor KENERSON.*

Three hours. Second Term. Elective for students who have credit for 23. *Wed., Fri., 2.20 to 5.20.*

25. Thesis

A thesis is required of all candidates for the degree of Bachelor of Science in Mechanical Engineering. It may be based on extended independent study, on original experiments by the student, or on an original design of some complicated machine, and must exhibit satisfactory ability in the student as an engineer.

XVI. MECHANICS AND MECHANICAL DRAWING

OTIS EVERETT RANDALL, PH.D., *Professor of Mechanics and Mechanical Drawing*

ANSEL BROOKS, PH.B., M.E., *Assistant Professor of Mechanics and Mechanical Drawing*

FRANK ARTHUR BURR, M.E., *Assistant in Mechanical Drawing*

MECHANICS**1. Mechanics of Solids**

Statics; dynamics, including rectilinear and curvilinear motion, virtual velocity, moment of inertia, work, energy and power, friction; strength of materials, including tension, compression, shearing, torsion, flexure, arches; methods of graphical solution of problems. *Professors RANDALL and BROOKS.*

Three hours. Through the year. Required of all candidates for the degree of Bachelor of Science. Elective for students who have credit for Mathe-

matics 4 and 5, and who have taken or are taking Mathematics 6. *Mon., Tu., Th., at 11.20.*

2. *Mechanics of Fluids*

Hydrostatics of liquids, including pressure of liquids in tanks and reservoirs, earth pressure and retaining walls, immersion and flotation; hydrodynamics, including steady flow, impulse and resistance. *Professor RANDALL.*

Three hours. First and Second Terms. Required of all candidates for the degree of Bachelor of Science. Elective for students who have credit for 1. *Wed., Fri., Sat., at 11.20.*

MECHANICAL DRAWING

1. *Elementary Mechanical Drawing, and Descriptive Geometry*

Nature, care, and use of drafting instruments; plane problem construction; theory of orthographic projection; discussion, proof, and graphic solution of problems in descriptive geometry relating to the point, line, and plane, to line and surface generation and classification, to surface tangency, and to intersections and developments; application of the principles of descriptive geometry in isometric drawing, in shades and shadows and perspective, in machine drawing, and in practical engineering problems. *Professors RANDALL and BROOKS, Mr. BURR.*

Four hours. Through the year. Two hours of recitation and six hours of drawing during the First Term, and three hours of recitation and three hours of drawing during the Second and Third Terms. Required in the Freshman year of candidates for the degree of Bachelor of Science. *Mon., Tu., Wed., Th., Fri., Sat., at 9.20 and 10.20.*

2. *Elementary Mechanical Drawing*

Nature, care, and use of drafting instruments; plane problem construction; theory of orthographic and isometric projection. *Professor RANDALL and Mr. BURR.*

Three hours. Six hours of drawing. First Term. Elective for Freshmen who are candidates for the degree of Bachelor of Philosophy, and for all Sophomores, Juniors, and Seniors. *Mon., Wed., Th., at 10.20.*

3. *Descriptive Geometry*

Discussion, proof, and graphic solution of problems in descriptive geometry. *Professor RANDALL and Mr. BURR.*

Three hours. Two hours of recitation and two hours of drawing. Second and Third Terms. Elective for Freshmen who are candidates for the degree of Bachelor of Philosophy, and for Sophomores, Juniors, and Seniors who have credit for 2. *Mon., Wed., Th., at 10.20.*

4, 5. *Machine Drawing*

Study and representation of machine parts; principles of elementary machine design; sketches, detail and assembly drawings of machines; practice in reading drawings. *Professor BROOKS.*

Three hours. One hour of recitation and eight hours of drawing. First and Second Terms. Required of candidates for the degree of Bachelor of Science in Mechanical Engineering and Electrical Engineering. Elective for students who have credit for 1 or 3. *Tu. at 12.20; Mon., Th., 2.20 to 5.20.*

6. *Elements of Machine Design*

Professor BROOKS.

Three hours. One hour of recitation and five hours of drawing. Third Term. Elective for students who have credit for 5.

7. *Shades and Shadows and Perspective; Architectural Drawing*

Problems relating to the shade and shadow and perspective of elementary magnitudes; principles of architectural design and composition; working drawings and ordinary office practice. *Professor RANDALL.*

Three hours. Six hours of drawing. Through the year. Elective for students who have credit for 1 or 3. Given at the University during the First Term, and at the Rhode Island School of Design during the Second and Third Terms.

8. *Mechanical Drawing, practical*

For students desiring to continue their course in drawing without taking the theoretical work of descriptive geometry. Intersections and developments; third quadrant projection; sketching and dimensioning; conventional methods of representing machine parts; detailing and assembling; exercises in reading drawings; architectural drawing, including the drawing of plans and elevations, and the details of building construction. *Professor BROOKS.*

Three hours. Six hours of drawing. Second and Third Terms. Elective for students who have credit for 2. *Mon., Wed., Th., at 10.20.*

XVII. PHILOSOPHY

WILLIAM HERBERT PERRY FAUNCE, A.M., D.D., LL.D., *Professor of Moral and Intellectual Philosophy*

EDMUND BURKE DELABARRE, PH.D., *Professor of Psychology*

WALTER GOODNOW EVERETT, PH.D., *Professor of Philosophy and Natural Theology*

WALTER BALLOU JACOBS, A.M., *Professor of the Theory and Practice of Education*

ALEXANDER MEIKLEJOHN, PH.D., *Associate Professor of Logic and Metaphysics*

ARTHUR UPHAM POPE, A.B., *Instructor in Philosophy*

1. *Logic*

Aims, methods, and limitations of human thinking; a preparation for work in the sciences and in philosophy. First Term, general introduction and formal logic. Second Term, principles and methods of the natural sciences. Third Term, relations of science to philosophy; philosophical interpretation and criticism of the results of science. *Professor MEIKLEJOHN.*

Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors. *Mon., Th., Fri., at 9.20.*

2. *Psychology, introductory course*

Main facts and laws of mental life, with particular attention to their arrangement in a scientific system, and to their philosophical bearing. The course furnishes a knowledge of mental law important for practical life, and serves also as a transition from the special sciences to philosophy. *Professor DELABARRE.*

Three hours. Through the year. Elective for Juniors. *Wed., Fri., Sat., at 11.20.*

3. *Psychology, advanced course*

A seminary for the discussion of important and interesting questions in psychology, especially the problems of hypnotism and psychological research. *Professor DELABARRE.*

Three hours. Through the year. Elective for Seniors and Graduates.

4. *Experimental Psychology, introductory laboratory course*

Description of the main lines and results of experimental research; demonstrations by the instructor or the class; training in the use of

apparatus and in careful scientific observation and measurement. *Professor DELABARRE.*

Three hours. Six hours of attendance. Through the year. Elective for Juniors, Seniors, and Graduates who have taken or are taking 2. Although essentially a year course, it may, by special arrangement with the instructor, be taken for a shorter period.

5. *Experimental Psychology, advanced laboratory course*

The problems investigated vary and the course may therefore be taken two or more years in succession. The aim is to make original contributions to scientific knowledge in psychology and to publish the results. *Professor DELABARRE.*

One to six hours. Two to twelve hours of attendance. Through the year. Elective for students who have credit for 4. May be taken for more than six hours by Graduates.

6, 7, 8. *History of Philosophy*

The successive philosophical systems in their dialectical development and mutual relations; treatment not merely analytic and historical, but synthetic and constructive as well. First Term, Greek philosophy. Second Term, mediaeval and early modern philosophy. Third Term, recent and contemporary philosophy. *Professor EVERETT, assisted by Mr. POPE.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. *Mon. Th., Fri., at 9.20.*

9, 10. *Theoretical Ethics*

Intended to aid in mastering the fundamental problems of life and character. First Term, a discussion of the nature and relations of ethics and an outline of the history of the chief ethical systems. Second Term, a critical study of the fundamental concepts of ethics with the aim of constructing a tenable theory of conduct. *Professor EVERETT.*

Three hours. First and Second Terms. Elective for Seniors and Graduates. *Tu., Wed., Sat., at 9.20.*

11. *Practical Ethics*

The application of ethical theory to the life of the individual, the family, and the state. Discussion of current problems, personal, industrial, and social, from the ethical standpoint. *President FAUNCE.*

Three hours. Third Term. Elective for Juniors. *Tu., Wed., Sat., at 9.20.*

12. *Philosophy of Religion*

An investigation of the ultimate grounds of religious belief. *Professor EVERETT.*

Three hours. Third Term. Elective for Seniors and Graduates who have credit for one course in Philosophy. *Wed., Fri., Sat., at 11.20.*

13, 14, 15. *Philosophical Seminary*

Lectures, written reports, and discussions on the more difficult problems of philosophy. Subject for 1905-6: Studies in contemporary philosophy. *Professor EVERETT.*

Three hours. Through the year. Elective for Graduates.

16. *Kantian and Post-Kantian Philosophy*

Kant's *Critique of Pure Reason* studied as the source of German rationalism; the same line of thought traced in the *Critique of Practical Reason*, and in the works of Fichte, Schelling, and Hegel. *Professor MEIKLEJOHN, assisted by Mr. POPE.*

Three hours. Through the year. Elective for Seniors who have credit for 6, 7, 8, and for Graduates.

EDUCATION‡

Professor JACOBS

1. *History of Education*

Education among the Greeks and Romans; rise and constitution of universities; Erasmus and the Humanists; Comenius and the Realists; Rousseau and the Naturalists; development of educational psychology by Pestalozzi, Froebel, Herbart. The history of education considered from the point of view of the history of civilization.

Three hours. First Term. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Fri., at 12.20.*

2. *Critical Study of Modern Education*

Development of present theories from past theories; effectiveness of

‡ Courses 1, 2, and 3 treat education in its relation to the individual and to the social and political whole; their interest is therefore not limited to those who intend to teach. At the same time they form an introduction to the courses which follow. Those who intend to teach are advised to elect these courses during the Junior year.

Courses 1-6 cover the requirements for certificates of the First Grade in all states except those where practice teaching or experience is demanded. In Rhode Island a certificate is required of all teachers in schools supported in whole or in part by public money. Certificates of the First Grade are granted without examination to those who have completed courses 1-6 and hold a college degree. Due credit is also given for separate courses.

present American systems compared with that of past systems and of present foreign systems; influence of education upon the state and society; current experiments; problems which an adequate theory of education must solve.

Three hours. Second Term. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Fri., at 12.20.*

3. *Fundamental Principles of Education*

The meaning and aim of education; the function of education as a social institution; the sequence and coördination of studies; the principles of instruction; apperception; the steps in method; the use of the type in instruction; the training of the will; the principles of moral education.

Three hours. Third Term. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Fri., at 12.20.*

4. *Psychology of Education*

Theory and process of mental development, with special emphasis upon the period of adolescence; psychology of method, and of the various studies and disciplines; ways in which student and teacher may utilize a knowledge of the more fundamental activities of the mind.

Three hours. First Term. Elective for Seniors and Graduates who have credit for 1, 2, or 3, or who are taking 1. *Mon., Tu., Th., at 11.20.*

5. *Hygiene of Education*

The hygiene of growth; physical culture and athletics; play and fatigue; sight and hearing; school diseases; school architecture, warming, ventilating, and lighting; sanitation; school furniture; school programs.

Three hours. Second Term. Elective for Seniors and Graduates who have credit for 1, 2, or 3, or who are taking 2. *Mon., Tu., Th., at 11.20.*

6. *Practical Introduction to Teaching*

The method of the recitation; management and discipline of classes; observation of good teaching; practical applications of method.

Three hours. Third Term. Elective for Seniors and Graduates who have taken or are taking other courses in Education. *Mon., Tu., Th., at 11.20.*

7, 8, 9. *Methods in Secondary School Studies and the Organization, Equipment, and Management of Secondary Schools*†

Importance and meaning of secondary school studies; their organization into a curriculum; method as applied to each subject; the resources at the command of the teacher. The following studies receive special attention: First Term, Latin and modern languages; Second Term, history and English; Third Term, science and mathematics.

Three hours. Through the year. Two hours of class-room attendance. Required of student-teachers. Elective for Graduates and experienced teachers. *Wed. 3.20 to 5.20*. Each term may be elected separately.

10, 11, 12. *Training in Practical Teaching; Secondary Schools*†

Practice teaching in the Providence High Schools under experienced teachers. Observation, reports, conferences. Designed to train those who wish to become instructors in colleges, teachers or principals in secondary schools, or superintendents of schools.

Three hours. Through the year. Elective for approved Graduates who have credit for elementary courses in Education. *Fri. at 3.20*.

13, 14, 15. *Training in Practical Teaching; Grammar Grades*†

Practice teaching in the Providence Grammar Schools under experienced teachers. Observation, reports, conferences. Designed especially to train those who wish to become grade teachers, assistant principals or principals of grammar schools, or superintendents of schools, but also furnishes practical training for those who wish to teach in secondary schools.

Three hours. Through the year. Elective for approved Graduates who have credit for elementary courses in Education and who are taking 16, 17, 18. Elective also by special permission for a limited number of Seniors. *Mon. at 3.20*.

16, 17, 18. *Seminary in Educational Problems*†

Reviews and discussions of recent publications; reports on special studies undertaken by members. The subjects vary from year to year. For 1905-6 they are: First Term, psychologic foundations of education. Second Term, moral education. Third Term, an intensive study of some period in the history of education.

† In connection with this course, and for an explanation of the work of student-teachers, see page 149 of this Catalogue, under Arrangements with the School Committee of the City of Providence.

Three hours. Two hours of class-room attendance. Required of student-teachers. Elective for Graduates and experienced teachers. *Sat. 10.20 to 12.20*. Each term may be elected separately.

XVIII. PHYSICS

CARL BARUS, PH.D., *Hazard Professor of Physics*

ALBERT DEFOREST PALMER, JR., PH.D., *Associate Professor of Physics*

ARTHUR EUGENE WATSON, PH.D., *Assistant Professor of Physics*

1, 2, 3. *Elementary Physics*†

First Term, kinematics and dynamics. Second Term, molecular physics. Third Term, electricity. Lectures, illustrated by experiments and the lantern; weekly written exercises corrected in detail by the instructors. Designed for those who have had little previous training in physics. *Professor BARUS*.

Three hours. Through the year. Elective for Undergraduates who have credit for Mathematics 1, 2, 3. *Mon., Wed., Th., at 10.20*.

4, 5, 6. *Elementary Physics, continued*‡

First Term, optics. Second Term, acoustics. Third Term, heat. Methods as in 1, 2, 3. *Professor BARUS*.

Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors who have credit for 1, 2, 3. *Tu., Fri., Sat., at 10.20*.

7. *Physical Measurements*

Elementary theory and practice of physical manipulation. Reports of experiments and solution of problems. *Professor PALMER*.

Three hours. Six hours in the laboratory. Through the year. Elective for students who have credit for 1, 2, 3 or 4, 5, 6. *Mon. at 12.20*.

8, 9, 10. *Mathematical Treatment of Dynamical Problems*§

Lectures. First Term, discussion of the general principles of dynamics and the development of the general equations of motion. Second and Third Terms, application of these principles to special problems in thermodynamics and hydrodynamics. *Professor PALMER*.

† Graduates attending courses 1, 2, 3, 4, 5, 6 are held responsible for all the demonstrations, or for the full equivalent of either Watson's or Daniel's *Principles of General Physics*.

§ Of the two courses 8, 9, 10 and 11, 12, 13, only one will be offered in any given year. In determining which shall be offered, the preference of applicants will be considered.

Three hours. Through the year. Elective for Seniors and Graduates who have credit for 7 and Mathematics 9.

11, 12, 13. *Mathematical Theory of Electricity and Magnetism*†
Lectures. Includes a discussion of the more important problems of electrical science. *Professor PALMER.*

Three hours. Through the year. Elective for Graduates and Seniors who have credit for 7 and Mathematics 9.

14, 15, 16. *Advanced Laboratory Course*

Special problems and reference to original sources for methods of solution. *Professors BARUS, PALMER, and WATSON.*

Three or six hours. Six or twelve hours of attendance. Through the year. Elective for students who have credit for 7.

17, 18, 19. *Applied Harmonic Analysis*§

Importance of Fourier's method shown by examples drawn from the analytical theory of heat, from elastics, alternating electricity, and elsewhere; treatment by the aid of spherical harmonics, Bessel functions, and Lamé functions. *Professor BARUS.*

Three hours. Through the year. Elective for Seniors and Graduates who have credit for 1, 2, 3 and Mathematics 7, 9.

20, 21, 22. *Physics, advanced course*§

Lectures on dynamics, potential elastics, hydrostatics, hydrodynamics, viscosity, capillarity, electrostatics, magnetism, electro-magnetism, thermo-electrics, induction, Fresnel's optics, the electro-magnetic theory of light, thermal analytics, and thermodynamics. Completed in two years. *Professor BARUS.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates who have credit for Mathematics 5, 6, 7.

23. *Precision Measurements in Photometry, Electricity, Magnetism, and Electro-Chemistry*

Professor PALMER.

Three hours. Six hours in the laboratory. Through the year. Elective for students who have credit for 7 and Mathematics 6.

†Of the two courses 8, 9, 10 and 11, 12, 13, only one will be offered in any given year. In determining which shall be offered, the preference of applicants will be considered.

§Of the two courses 17, 18, 19 and 20, 21, 22, only one will be offered in any given year. In determining which shall be offered, the preference of applicants will be considered.

24. *Behavior of Matter through Long Ranges of Temperature* ‡

Investigation of accurate methods and data in absolute pyrometry; determination of the high temperature constants of non-volatile bodies with a view to the elucidation of fundamental questions in the physics of the earth's crust. *Professor BARUS.*

25. *Behavior of Matter through Long Ranges of High Pressure* ‡

Thermodynamics of the change of state from solid to liquid, due either to fusion or to solution, with especial reference to the continuity of solid and liquid, and to the location of the lower critical temperature. *Professor BARUS.*

26. *Absolute Viscosity of Solids as compared with Liquids and Gases* ‡

Investigation of absolute data for the viscosity of solids. *Professor BARUS.*

27. *Physical Properties of the Iron Carburets* ‡

A consideration of the physical properties of iron, steel, and cast iron with reference to metallurgical and electro-technical problems. *Professor BARUS.*

ELECTRICAL ENGINEERING§

Professor WATSON

1, 2, 3. *General Course*

First Term, definite instruction in methods of generating and utilizing electric currents. Second Term, technical study of theory and working of direct current dynamo-electric machinery. Third Term, practical methods of operating and testing various sizes and types of standard dynamos and accessory apparatus; lectures on alternating current machinery.

Three hours. Through the year. Elective for students who have taken or are taking Physics 3 and 7 and Mathematics 12. First Term, *Mon., Th., Fri., at 9.20.* Second and Third Terms, *Mon., Th., at 9.20.*

‡ Courses 24-27 are courses in original research intended for qualified Graduate students. They will be offered according to the needs of applicants. They occupy more or less time according to the requirements of the students. Other courses in original research are offered to suit the special needs of advanced students.

§ All the courses in this department are required of candidates for the degree of Bachelor of Science in Electrical Engineering.

4, 5, 6. *Alternating Currents*

Mathematical and graphical treatment.

Three hours. Two hours of recitation and two hours of laboratory work. Through the year. Elective for students who have credit for 3 and who have taken or are taking Mathematics 9. *Mon., Wed., Th., at 10.20.*

7, 8, 9. *Industrial Electricity*

First Term, telephone and telegraph engineering. Second Term, history of electrical engineering. Third Term, design and calculation of direct current machinery, including actual drawing of electrical machinery in connection with Mechanical Engineering 11.

Three hours. Through the year. For candidates for the degree of Bachelor of Science in Electrical Engineering only. To be taken with 1, 2, 3. First Term, *Tu., Wed., Sat., at 9.20.* Second and Third Terms, *Tu., Fri., Sat., at 9.20.*

10, 11, 12. *Special Topics in Electrical Engineering*

First Term, electric railway engineering. Second Term, design and calculation of alternating current machinery. Third Term, central station design and equipment; systems of distribution.

Three hours. Through the year. Elective for students who have credit for 1, 2, 3. First and Second Terms, *Mon., Th., Fri., at 10.20.* Third Term, *Tu., Wed., Sat., at 10.20.*

13. *Specific Electrical Engineering Problems*

Reading and discussion. Seminary method.

Three hours. Third Term. *Mon., Th., Fri., at 10.20.*

XIX. POLITICAL ECONOMY ‡

HENRY BRAYTON GARDNER, PH.D., *Professor of Political Economy*

WILLIAM KIRK, PH.D., *Instructor in Political Economy*

1. *Political Economy, elementary*

Affords a general outline of the subject, and serves as an introduction to the more extended and special courses which follow. *Professor GARDNER.*

Three hours. Third Term. Sophomore, Junior, or Senior year. Must be preceded by Political Science 1 and Social Science 1. Required of candidates for

‡ The courses in this department other than 1 are open only to those students who have credit for Political Science 1, Social Science 1, and Political Economy 1, which together constitute a single course introductory to the advanced work of the departments of Social and Political Science and Political Economy.

the degree of Bachelor of Arts; elective for others who have credit for Political Science 1 and Social Science 1. *1st div. Tu., Fri., Sat., at 10.20; 2d div. Mon., Tu., Th., at 11.20.*

2.* *General Economics*

The development and significance of the more important elements in the existing industrial organization; the principles governing the production, exchange, distribution, and consumption of wealth; the more important practical problems of economic life. *Professor GARDNER, First and Second Terms. Dr. KIRK, Third Term.*

Three hours. Through the year. Elective for Juniors and Seniors. *Tu., Fri., Sat., at 10.20.*

3. *Money and Banking*

Principles of money and banking; recent monetary and banking history, particularly of the United States; monetary and banking systems of leading industrial nations; present monetary and banking problems. *Professor GARDNER.*

Three hours. First and Second Terms. Elective for Juniors, Seniors, and Graduates. *Wed., Fri., Sat., at 11.20.*

[4. *Public Finance*]

First Term, general principles of public finance; revenues and expenditures of leading industrial nations. Second Term, financial history of the United States. Third Term, local finance: revenues, expenditures, and financial systems of American states and cities. *Professor GARDNER.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Not offered in 1905-6. To be offered in 1906-7.

5. *History and Present Tendencies of Political Economy*

Early economic theories: a critical examination of the theories of the early schools of economists, especially the physiocrats and the early English school, with particular attention to the relation between economic thought and economic life and practice. Recent economic theories: a study of the tendencies of the historical school, the Austrian school, and recent English and American writers. The growth of the principle of monopoly, its influence on the production and distribution of wealth and on the economic well-being of society. *Dr. KIRK.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Not to be offered in 1906-7. *Mon., Tu., Th., at 11.20.*

[6. *The Labor Movement*]

History and analysis of the trade-union movement; growth of collective bargaining; labor problems in the United States. *Dr. KIRK*. Three hours. First Term. Elective for Juniors, Seniors, and Graduates. Not offered in 1905-6. To be offered in 1906-7.

[7. *Socialism*]

A brief review of the historically important socialistic schemes; mainly a study of the modern scientific socialism of Karl Marx and of the resulting socialistic movements. *Dr. KIRK*.

Three hours. Second Term. Elective for Juniors, Seniors, and Graduates. Not offered in 1905-6. To be offered in 1906-7.

8. *Industrial Corporations*

Development of the corporate form of business organization; its effects; the problems to which it gives rise. Special emphasis on the recent movements toward combination, and toward control by the state of corporations, particularly quasi-public corporations. *Professor GARDNER*.

Three hours. Third Term. Elective for Juniors, Seniors, and Graduates. Not to be offered in 1906-7. *Wed., Fri., Sat., at 11.20.*

[9. *The Tariff*]

The arguments for free trade and protection in relation to the principles of international trade; the history of tariff legislation and its effects in the United States. *Dr. KIRK*.

Three hours. Third Term. Elective for Juniors, Seniors, and Graduates. Not offered in 1905-6. To be offered in 1906-7.

10, 11, 12. *Industrial History*

First Term, the chief stages in the development of the industrial life of England, with special emphasis on the origin and development of the existing form of industrial organization. Second Term, the more important aspects of the industrial development of the colonies and the United States to 1860. Third Term, the growth, organization, and geographical distribution of the main branches of industry since 1860; the relation of the industrial life of the United States to that of the world at large. *Professor GARDNER*.

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Each term may be elected independently. *Tu., Th., Sat., at 12.20.*

20, 21, 22. *Investigation of Special Topics*

Intended to train the student in methods of gathering, handling, and presenting data in the study of economic life and problems. Laboratory methods. *Professor GARDNER and Dr. KIRK.*

Three hours. Six hours of attendance. Through the year. Elective for approved Juniors, Seniors, and Graduates. Each term may be elected independently.

XX. ROMAN LITERATURE AND HISTORY

ALBERT GRANGER HARKNESS, A.M., *Professor of Roman Literature and History*

JOHN FRANCIS GREENE, A.M., *Assistant Professor of Roman Literature and History*

LIDA SHAW KING, A.M., *Assistant Professor of Classical Philology*

1. *Livy*

Designed to enable the student to acquire facility in reading Latin, and to instruct him in the use of the Latin texts as a means of gaining a knowledge of Roman history. Grammatical study and literary criticism also receive attention. *Professors HARKNESS and GREENE.*

Three hours. First Term. Elective for students who presented elementary and advanced Latin for admission. *1st div. Wed., Fri., Sat., at 11.20; 2d div. Tu., Th., Sat., at 12.20; 3d div. Mon., Tu., Th., at 2.20.*

2. *Cicero's Letters*

Aims and methods as in 1. *Professors HARKNESS and GREENE.*

Three hours. Second Term. Elective for students who presented elementary and advanced Latin for admission. *1st div. Wed., Fri., Sat., at 11.20; 2d div. Tu., Th., Sat., at 12.20; 3d div. Mon., Tu., Th., at 2.20.*

3. *Tacitus's Germania and Agricola*

Aims and methods as in 1. *Professors HARKNESS and GREENE.*

Three hours. Third Term. Elective for students who presented elementary and advanced Latin for admission. *1st div. Wed., Fri., Sat., at 11.20; 2d div. Tu., Th., Sat., at 12.20; 3d div. Mon., Tu., Th., at 2.20.*

4. *Horace's Odes and Epodes*

Critical study of the poems, supplemented by rapid reading with a view to comprehending the spirit of the author. The literary side of the study is made prominent. Lectures; literary topics assigned to the class for special study. *Professor HARKNESS.*

Three hours. First Term. Elective for Sophomores. *Mon., Wed., Fri., at 12.20.*

5. *Catullus, Tibullus, and Propertius*

Aims and methods as in 4. *Professor* GREENE.

Three hours. Second Term. Elective for Sophomores. *Mon., Wed., Fri., at 12.20.*

6. *Satires of Horace*

Aims and methods as in 4. *Professor* HARKNESS.

Three hours. Third Term. Elective for Sophomores. *Mon., Wed., Fri., at 12.20.*

7, 8, 9. *Latin Poetry*

Aims to give a connected and comprehensive view of the history and development of Latin poetry. Forms with 10, 11, 12 a two-years' consecutive course affording a general survey of Roman literature. Lectures on the lives and writings of the authors: reading of characteristic selections; special study by members of the class of assigned topics in literary history and criticism. First Term, Plautus; Second Term, Lucretius; Third Term, Juvenal and Martial. *Professors* HARKNESS and GREENE.

Three hours. Through the year. Elective for Juniors and Seniors. Each term may be elected independently. *Tu., Fri., Sat., at 10.20.*

[10, 11, 12. *Latin Prose*]

Aims to give a connected and comprehensive view of the history and development of Latin prose. Forms with 7, 8, 9 a two-years' consecutive course affording a general survey of Roman literature. Lectures on the lives and writings of the authors, on the development of oratory, etc.; reading of characteristic selections; special study by members of the class of assigned topics in literary history and criticism. First Term, specimens of early Latin, Cicero's *Brutus*, and Quintilian; Second Term, Cicero; Third Term, the *Annals* of Tacitus. *Professors* HARKNESS and GREENE.

Three hours. Through the year. Elective for Juniors and Seniors. Each term may be elected independently. Not offered in 1905-6.

13, 14, 15. *Petronius, Pliny the Younger, Martial*

Professor HARKNESS.

One hour. Through the year. Elective for Juniors, Seniors, and Graduates. *Fri. at 2.20.*

[16, 17, 18. *Epigraphy*]

Professor HARKNESS.

Two hours. Through the year. Elective for Graduates and approved Undergraduates. Not offered in 1905-6.

[19, 20, 21. *Palaeography and Textual Criticism*]

Professor HARKNESS.

Two hours. Through the year. Elective for Graduates and approved Undergraduates. Not offered in 1905-6.

22, 23, 24. *Latin Composition*

Professor GREENE.

One hour. Through the year. Elective for Sophomores, Juniors, and Seniors. *Mon.* at 3.20.

25, 26, 27. *Seminary in Latin*

Poetry of the Empire. A study of the history of poetic style. Reading from Gudeman's *Latin Literature of the Empire*, vol. II. *Professors* HARKNESS and GREENE.

Two hours. Through the year. Elective for Graduates.

[28, 29. *Roman Life*]

The private and public life of the Romans. Intended to give a comprehensive view of the civilization of Rome. Study based on the monuments and literature. Lectures, supplemented by reading and reports. No knowledge of Latin required. A continuation of Greek 33, the three terms together constituting the course called History of Greek and Roman Life and Institutions. *Professor* GREENE.

Three hours. Second and Third Terms. Elective for Freshmen and Sophomores. Not offered in 1905-6.

30. *Roman Literature*

A brief history of Roman literature. Some of the most important and characteristic works studied in English translations. No knowledge of Latin required. Follows Greek 34 and is continued in the third term by Greek 35, a course in Later Greek and Roman Literature. *Professor* HARKNESS.

Three hours. Second Term. Elective for Freshmen and Sophomores. *Mon., Tu., Th.,* at 11.20.

31, 32, 33. *History of the Roman Empire*

First Term, the Early Empire. Second Term, the Age of the Antonines. Third Term, the Age of Constantine. *Professor GREENE.*

Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors. Each term may be elected independently. *Wed., Fri., Sat., at 11.20.*

34. *Vergil*

Bucolics, with special reference to literary sources and influence; *Georgics* and *Aeneid*, with special reference to the history of the times. *Professor KING.*

Three hours. First Term. Elective for Sophomores in the Women's College.

The Harkness Classical Club meets once a month for the reading of papers and for discussion. Arrangements also are made from time to time for public addresses.

XXI. ROMANCE LANGUAGES AND LITERATURES

COURTNEY LANGDON, A.B., *Professor of the Romance Languages and Literatures*

ALBERT BUSHNELL JOHNSON, A.M., *Associate Professor of the Romance Languages*

ALBERT SWIFT MORSE, A.M., *Assistant Professor of the Romance Languages*

CHARLES HERMAN HUNKINS, A.B., *Instructor in French*

1. *Elementary French*

Grammar, composition, dictation; translation of selections from modern authors into idiomatic English. The equivalent of the French required for admission. *Professor MORSE and Mr. HUNKINS.*

Three hours. Through the year. Required of all students who did not present French for admission. *1st div. Tu., Wed., Sat., at 9.20; 2d and 3d div. Mon., Tu., Th., at 2.20.*

2, 3, 4. *French Language, intermediate course*

Syntax, translation of modern authors, written and oral translation into French of exercises based upon the texts read, dictation. Intended to give students a large working vocabulary. *Professors JOHNSON and MORSE, Mr. HUNKINS.*

Three hours. Through the year. Required of all students who presented ele-

mentary French for admission. Elective for students who have credit for 1. *1st, 3d, and 5th div. Wed., Fri., Sat., at 11.20; 2d and 4th div. Tu., Th., Fri., at 3.20.*

5, 6, 7. *French Language and Literature*

An introduction to the best French literature of the nineteenth century; includes some study of the language. *Mr. HUNKINS.*

Three hours. Through the year. Elective for students who presented advanced French for admission, or who attained only the grade of P in 2, 3, 4. *Mon., Tu., Th., at 11.20.*

[8, 9, 10. *French Literature from 1800 to 1850*]

Chateaubriand, Hugo, Lamartine, De Musset, Balzac, and Gautier. Abstracts (in French) of works read outside the class. Sight reading a prominent feature. *Professor JOHNSON.*

Three hours. Through the year. Elective for students who attained the grade of C in 2, 3, 4 or who have credit for 5, 6, 7. Not offered in 1905-6.

11, 12, 13. *French Literature since 1850*

Flaubert, the Goncourts, Zola, Daudet, Renan, Augier, the younger Dumas, Rostand, and others. Abstracts (in French) of works read outside the class. Sight reading a prominent feature. *Professor JOHNSON.*

Three hours. Through the year. Elective for students who attained the grade of C in 2, 3, 4 or who have credit for 5, 6, 7. *Mon., Tu., Th., at 11.20.*

[14, 15, 16. *Practice in Writing and Speaking French*]

Intended especially for those preparing to teach. A large amount of composition, dictation, conversation, oral and written abstracts of French passages read in the class by the instructor, oral translation into French of an English novel. *Professor JOHNSON.*

Three hours. Through the year. Elective for students who attained the grade of C in 2, 3, 4 or 5, 6, 7. Not offered in 1905-6.

[17, 18, 19. *Old French*]

The elements of Romance philology and an introduction to the literature of the Middle Ages in France. *Professor MORSE.*

Three hours. Through the year. Elective for approved Seniors and Graduates. Not offered in 1905-6.

[20, 21, 22. *French Literature from 1636 to 1800*]

Corneille, Pascal, Madame de La Fayette, Molière, Racine, La Fon-

taine, Boileau, Bossuet, Madame de Sévigné, Saint-Simon, Marivaux, Le Sage, Voltaire, Beaumarchais, and others. *Professor JOHNSON.*

Three hours. Through the year. Elective for students who have credit for 10, 13, or 16. Not offered in 1905-6.

23, 24, 25. *The French Drama*

The drama from Corneille to Rostand, with special study of its classical and romantic sources and influences. *Professor LANGDON.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates who have attained the grade of C in 2, 3, 4. *Tu., Fri., Sat., at 10.20.*

26, 27, 28. *Modern Italian*

Grammar, composition, conversation, and rapid translation of modern authors. *Professor MORSE.*

Three hours. Through the year. Elective for Juniors and Seniors, and for Sophomores not electing more than one other modern foreign language. *Tu., Fri., Sat., at 10.20.*

[29, 30, 31. *Italian Literature from 1321 to 1800*]

Selections from Petrarch, Sacchetti, Tasso, Macchiavelli, Goldoni, with a brief survey of the life and history of the times. *Professor MORSE.*

Three hours. Through the year. Elective for students who have credit for 26, 27, 28. Not offered in 1905-6. To be offered in 1906-7.

32, 33, 34. *Dante*

The *Divina Commedia* read in the original. *Professor LANGDON.*

Three hours. Through the year. Elective for students who have credit for 26, 27, 28. *Mon., Wed., Th., at 10.20.*

35, 36, 37. *Dante in English*

A study of the whole of the *Divina Commedia* in English, in the light of modern thought and in connection with other great world-poems such as *Job*, the *Iliad-Odyssey*, the *Aeneid*, *Hamlet*, *Paradise Lost*, *Faust*, and *The Ring and the Book*. An introduction to a study of comparative literature by means of the best available translations. *Professor LANGDON.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. *Mon., Tu., Th., at 11.20.*

38, 39, 40. *Modern Spanish*

Grammar, conversation, composition, writing from dictation, and rapid reading. *Professor JOHNSON.*

Three hours. Through the year. Elective for Juniors, and for Sophomores not electing more than one other modern foreign language. *Tu., Fri., Sat., at 10.20.*

41, 42, 43. *Spanish Literature of the Nineteenth Century*

Gil y Zárate, Moratin, Núñez de Arce, Tamayo, Echegaray, Alarcón, Valera, Galdós, Valdés, and Pardo Bazán. *Professor JOHNSON.*

Three hours. Through the year. Elective for students who have credit for 38, 39, 40. *Mon., Wed., Th., at 10.20.*

[44, 45, 46. *Spanish Classics*]

Cervantes, Lope, Calderón, Téllez, and others. *Professor JOHNSON.*

Three hours. Through the year. Elective for students who have credit for 38, 39, 40. Not offered in 1905-6.

XXII. SOCIAL AND POLITICAL SCIENCE ‡

GEORGE GRAFTON WILSON, PH.D., *Professor of Social and Political Science*

JAMES QUAYLE DEALEY, PH.D., *Professor of Social and Political Science*

POLITICAL SCIENCE

1. *Political Science, elementary*

Affords a general outline of the subject, and serves as an introduction to the more extended and special courses which follow. *Professor WILSON.*

Three hours. First Term. Sophomore, Junior, or Senior year. Required of all candidates for the degree of Bachelor of Arts; elective for all others. *1st div. Tu., Fri., Sat., at 10.20; 2d div. Mon., Tu., Th., at 11.20.*

2. *International Relations*

International law, diplomacy, and world-politics. *Professor WILSON.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Fri., at 12.20.*

‡ The courses in this department other than I are open only to those students who have passed in Political Science I, Social Science I, and Political Economy I, which together constitute a single course introductory to the advanced work of the departments of Social and Political Science and Political Economy.

3, 4. *American Government*

First Term, constitution, organization, powers, and methods of our national system of government. Second Term, organization and functions of the states and cities of the United States. Course 4 is supplemented by Civil Engineering 16, the course in Municipal Improvements. *Professor DEALEY.*

Three hours. First and Second Terms. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Th., at 10.20.*

5. *Comparative Study of Constitutions*

The constitutions of Germany, France, Great Britain, and Switzerland are especially considered. *Professor DEALEY.*

Three hours. Third Term. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Th., at 10.20.*

6. *The Latin-American Republics* ‡

The government and social conditions of the Latin-American Republics. *Professor DEALEY.*

Three hours. One Term. Offered if applied for by Graduates.

7. *Administration* ‡

The principles and the chief national systems of administration. *Professor WILSON.*

Three hours. One Term. Offered if applied for by Graduates.

8. *Administration (continued)* ‡

Local and colonial administration. *Professor WILSON.*

Three hours. One Term. Offered if applied for by Graduates.

9. *Political Problems* ‡

The political problems of the United States are especially considered. *Professor WILSON.*

Three hours. One Term. Offered if applied for by Graduates.

10. *Political Parties* ‡

The development of political parties in the United States and Europe. *Professor WILSON.*

Three hours. One Term. Offered if applied for by Graduates.

‡ Courses 6-15 are primarily for Graduates, and may be elected by those Undergraduates only who are approved by the department. These courses are given according to the needs of qualified applicants.

11. *Constitutional Law* ‡

The principles and development of constitutional law, with special reference to the Constitution of the United States. *Professor DEALEY*.
Three hours. One Term. Offered if applied for by Graduates.

12. *Roman Law* ‡

The influence of Roman law on political institutions. *Professor WILSON*.
Three hours. One Term. Offered if applied for by Graduates.

13. *The State* ‡

The origin, forms, development, functions, and institutions of the state. *Professor DEALEY*.
Three hours. One Term. Offered if applied for by Graduates.

14. *Development of Political Theory* ‡

The growth of important political ideas traced from Plato to the present time, with emphasis on the evolution of democracy. *Professor DEALEY*.
Three hours. One Term. Offered if applied for by Graduates.

15. *Current Political Theory and Practice* ‡

A seminary course. Intended to train students in methods of estimating the value and significance of recent publications on political topics, and the changes consequent upon current political development. *Professors WILSON and DEALEY*.
One hour. Through the year. Elective for Graduates. *Mon. at 4.*

20, 21, 22. *Investigation of Special Topics*

Intended to train the student in methods of gathering, handling and presenting data in the study of social and political problems. Laboratory methods. *Professors WILSON and DEALEY and Dr. KIRK*.
Three hours. Six hours of attendance. Through the year. Elective for Graduates and for approved Juniors and Seniors.

‡ Courses 6-15 are primarily for Graduates, and may be elected by those Undergraduates only who are approved by the department. These courses are given according to the needs of qualified applicants.

SOCIAL SCIENCE

1. *Social Science, elementary*

Affords a general outline of the subject, and serves as an introduction to the more extended and special courses which follow. *Professor DEALEY.*

Three hours. Second Term. Sophomore, Junior, or Senior year. Must be preceded by Political Science 1. Required of candidates for the degree of Bachelor of Arts; elective for others who have credit for Political Science 1. *1st div. Tu., Fri., Sat., at 10.20; 2d div. Mon., Tu., Th., at 11.20.*

2. *Social Institutions, Conditions, and Problems*

Historical development of domestic, religious, and political institutions. Study of such social problems as charity, crime, intemperance, marriage and divorce, etc. *Professors WILSON and DEALEY.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. *Mon., Tu., Th., at 11.20.*

3. *Social Philosophy*

Aims and ideals in social life; social well-being. *Professor DEALEY.*

Three hours. Third Term. Elective for Juniors, Seniors, and Graduates. *Wed., Fri., Sat., at 11.20.*

4. *Demography* ‡

Dispersion of races; social study of race characteristics; emigration, immigration, etc. *Professor WILSON.*

Three hours. One Term. Offered if applied for by Graduates.

5. *The Principles of Sociology* ‡

Nature of society; social forces and environment. *Professor DEALEY.*

Three hours. One Term. Offered if applied for by Graduates.

6. *Development of Social Theory* ‡

Traces important theories, ancient and modern, in regard to social conditions and development. *Professor DEALEY.*

Three hours. One Term. Offered if applied for by Graduates.

7. *Current Social Theory and Practice* ‡

A seminary course. *Professors WILSON and DEALEY.*

One hour. Through the year. Elective for Graduates. *Mon. at 4.30.*

‡ Courses 4-7 are primarily for Graduates and may be elected by those Undergraduates only who are approved by the department. These courses are given according to the needs of qualified applicants.

PHYSICAL TRAINING

FREDERICK WILLIAM MARVEL, PH.D., *Professor of Physical Training*

From the close of the Thanksgiving recess to the end of the second term all first and second year students are required to attend gymnasium exercises three times a week as follows:

FRESHMEN. *1st div. Tu., Fri., Sat., at 10.20; 2d div. Mon., Tu., Th., at 4.20.*

SOPHOMORES. *1st div. Mon., Wed., Th., at 10.20; 2d div. Tu., Th., Fri., at 3.20.*

A voluntary class for Juniors and Seniors will be held on *Mon., Tu., Th., Fri., at 5.20.*

TABLE OF COURSES ELECTIVE FOR UNDERGRADUATES IN 1905-6†

FIRST TERM

<i>Art</i>	<i>Civil Engineering</i>	<i>English</i>
1 Jr. Sr.	23 Sr.	16 Jr. Sr.
4 Jr. Sr.	25 Sr.	19 So. Jr. Sr.
10 Fr. So. Jr. Sr.	26 Sr.	20 So. Jr. Sr.
11 Jr. Sr.	<i>Comparative Anatomy</i>	22 Jr. Sr.
<i>Astronomy</i>	1 Fr. So. Jr. Sr.	23 Sr.
1 Jr. Sr.	2 So. Jr. Sr.	<i>French</i>
4 Jr. Sr.	3 Jr. Sr.	2 So. Jr. Sr.
7 So. Jr. Sr.	7 Jr. Sr.	5 Fr. So. Jr. Sr.
10 Sr.	8 Jr. Sr.	11 So. Jr. Sr.
<i>Biblical Literature</i>	10 Jr. Sr.	23 Jr. Sr.
1 Jr. Sr.	<i>Drawing</i>	37 Jr. Sr.
2 Sr.	2 Fr. So. Jr. Sr.	<i>Geology</i>
3 Sr.	4 So. Jr. Sr.	6 Jr. Sr.
6 Sr.	7 So. Jr. Sr.	9 Sr.
10 Jr. Sr.	<i>Education</i>	<i>German</i>
14 So. Jr. Sr.	1 Jr. Sr.	3 So. Jr. Sr.
15 Jr. Sr.	4 Sr.	6 So. Jr. Sr.
<i>Botany</i>	<i>Electrical Engineering</i>	7 So. Jr. Sr.
1 Fr. So. Jr. Sr.	1 Jr. Sr.	8 So. Jr. Sr.
2 So. Jr. Sr.	4 Jr. Sr.	11 Jr. Sr.
6 Jr. Sr.	7 Jr. Sr.	12 Jr. Sr.
<i>Chemistry</i>	10 Sr.	17 Jr. Sr.
1 Fr. So. Jr. Sr.	<i>English</i>	<i>Greek</i>
4 So. Jr. Sr.	2 So.	A Fr. So. Jr. Sr.
7 Jr. Sr.	3 So. Jr. Sr.	1 Fr. So. Jr. Sr.
10 Jr. Sr.	4 Jr. Sr.	4 So.
18 Jr. Sr.	5 Jr. Sr.	8 Jr. Sr.
24 Jr. Sr.	7 So. Jr. Sr.	23 Sr.
27 Jr. Sr.	8 Sr.	34 Fr. So.
33 Sr.	9 Jr. Sr.	<i>History</i>
36 Sr.	10 Jr. Sr.	2 Jr. Sr.
<i>Civil Engineering</i>	11 So. Jr. Sr.	4 Jr. Sr.
4 So. Jr. Sr.	13 Jr. Sr.	8 Jr. Sr.
10, 11 Jr. Sr.	15 Jr. Sr.	14 Sr.

† Fr., So., Jr., Sr., indicate that the courses after which these abbreviations stand are open to Freshmen, Sophomores, Juniors, or Seniors, respectively.

<i>History</i>	<i>Mechanical Engineering</i>	<i>Physics</i>
19 Jr. Sr.	12 Sr.	11 Sr.
22 Sr.	16 Jr. Sr.	14 Sr.
<i>Italian</i>	19 Jr. Sr.	17 Sr.
26 So. Jr. Sr.	22 Sr.	20 Jr. Sr.
32 Jr. Sr.	23 Sr.	23 Sr.
35 Jr. Sr.	<i>Mechanics</i>	<i>Political Economy</i>
<i>Latin</i>	1 So. Jr. Sr.	2 Jr. Sr.
1 Fr. So. Jr. Sr.	2 Jr. Sr.	3 Jr. Sr.
4 So.	<i>Philosophy</i>	5 Jr. Sr.
7 Jr. Sr.	1 So. Jr. Sr.	10 Jr. Sr.
13 Jr. Sr.	2 Jr.	20 Jr. Sr.
22 So. Jr. Sr.	3 Sr.	<i>Political Science</i>
31 So. Jr. Sr.	4 Jr. Sr.	1 So. Jr. Sr.
<i>Mathematics</i>	5 Sr.	2 Jr. Sr.
4 So. Jr. Sr.	6 Jr. Sr.	3 Jr. Sr.
6 So. Jr. Sr.	9 Sr.	20 Jr. Sr.
9 Jr. Sr.	16 Sr.	<i>Social Science</i>
15 So. Jr. Sr.	<i>Physics</i>	2 Jr. Sr.
26 Sr.	1 So. Jr. Sr.	10 Jr. Sr.
<i>Mechanical Engineering</i>	4 So. Jr. Sr.	<i>Spanish</i>
1-7 So. Jr. Sr.	7 Jr. Sr.	38 So. Jr.
9 Jr. Sr.	8 Sr.	41 Jr. Sr.

SECOND TERM

<i>Art</i>	<i>Botany</i>	<i>Civil Engineering</i>
2 Jr. Sr.	1 Fr. So. Jr. Sr.	12 Jr. Sr.
5 Jr. Sr.	2 So. Jr. Sr.	14 Jr. Sr.
10 Fr. So. Jr. Sr.	6 Jr. Sr.	24 Sr.
11 Jr. Sr.	<i>Chemistry</i>	27 Sr.
<i>Astronomy</i>	2 Fr. So. Jr. Sr.	29 Sr.
2 Jr. Sr.	5 So. Jr. Sr.	30 Sr.
5 Jr. Sr.	8 Jr. Sr.	32 Sr.
8 So. Jr. Sr.	11 Jr. Sr.	34 Sr.
11 Sr.	19 Jr. Sr.	<i>Comparative Anatomy</i>
<i>Biblical Literature</i>	25 Jr. Sr.	1 Fr. So. Jr. Sr.
1 Jr. Sr.	28 Jr. Sr.	2 So. Jr. Sr.
2 Sr.	34 Sr.	4 Jr. Sr.
3 Sr.	37 Jr.	7 Jr. Sr.
6 Sr.	<i>Civil Engineering</i>	10 Jr. Sr.
11 Jr. Sr.	5 So. Jr. Sr.	<i>Drawing</i>
14 So. Jr. Sr.	7 Jr. Sr.	3 Fr. So. Jr. Sr.
15 Jr. Sr.	8 Jr. Sr.	5 So. Jr. Sr.

Drawing

7 So. Jr. Sr.
8 Fr. So. Jr. Sr.

Education

2 Jr. Sr.
5 Sr.

Electrical Engineering

2 Jr. Sr.
5 Jr. Sr.
8 Jr. Sr.
11 Sr.
12 Sr.

English

2 So.
3 So. Jr. Sr.
4 Jr. Sr.
6 Jr. Sr.
7 Jr. Sr.
9 Jr. Sr.
10 Jr. Sr.
11 So. Jr. Sr.
13 Jr. Sr.
15 Jr. Sr.
16 Jr. Sr.
19 So. Jr. Sr.
20 So. Jr. Sr.
22 Jr. Sr.
23 Sr.

French

3 So. Jr. Sr.
6 Fr. So. Jr. Sr.
12 So. Jr. Sr.
24 Jr. Sr.

Geology

7 Jr. Sr.

German

4 So. Jr. Sr.
6 So. Jr. Sr.
7 So. Jr. Sr.
8 So. Jr. Sr.
11 Jr. Sr.

German

13 Jr. Sr.
17 Jr. Sr.

Greek

B Fr. So. Jr. Sr.
2 Fr. So. Jr. Sr.
5 So.
11 Jr. Sr.
19 So. Jr. Sr.
21 So. Jr. Sr.
24 Sr.

History

3 Jr. Sr.
5 Jr. Sr.
9 Jr. Sr.
15 Sr.
20 Jr. Sr.
23 Sr.

Italian

27 So. Jr. Sr.
33 Jr. Sr.
36 Jr. Sr.

Latin

2 Fr. So. Jr. Sr.
5 So.
8 Jr. Sr.
14 Jr. Sr.
23 So. Jr. Sr.
30 Fr. So.
32 So. Jr. Sr.

Mathematics

4 So. Jr. Sr.
7 So. Jr. Sr.
10 Jr. Sr.
12 So. Jr. Sr.
26 Sr.

Mechanical Engineering

1-7 So. Jr. Sr.
10 Jr. Sr.
13 Sr.
17 Jr. Sr.

Mechanical Engineering

20 Jr. Sr.
22 Sr.

Mechanics

1 So. Jr. Sr.
2 Jr. Sr.

Philosophy

1 So. Jr. Sr.
2 Jr.
3 Sr.
4 Jr. Sr.
5 Sr.
7 Jr. Sr.
10 Sr.
16 Sr.

Physics

2 So. Jr. Sr.
5 So. Jr. Sr.
7 Jr. Sr.
9 Sr.
12 Sr.
15 Sr.
18 Sr.
21 Sr.
23 Sr.

Political Economy

2 Jr. Sr.
3 Jr. Sr.
5 Jr. Sr.
11 Jr. Sr.
21 Jr. Sr.

Political Science

2 Jr. Sr.
4 Jr. Sr.
21 Jr. Sr.

Social Science

1 So. Jr. Sr.
2 Jr. Sr.

Spanish

39 So. Jr.
42 Jr. Sr.

THIRD TERM

<i>Art</i>	<i>Civil Engineering</i>	<i>French</i>
3 Jr. Sr.	28 Sr.	7 Fr. So. Jr. Sr.
6 Jr. Sr.	31 Sr.	13 So. Jr. Sr.
10 Fr. So. Jr. Sr.	33 Sr.	25 Jr. Sr.
11 Jr. Sr.	<i>Comparative Anatomy</i>	<i>Geology</i>
<i>Astronomy</i>	1 Fr. So. Jr. Sr.	3 So. Jr. Sr.
3 Jr. Sr.	2 So. Jr. Sr.	10 Sr.
6 Jr. Sr.	5 Jr. Sr.	<i>German</i>
9 So. Jr. Sr.	6 So. Jr. Sr.	5 So. Jr. Sr.
12 Sr.	8 Jr. Sr.	6 So. Jr. Sr.
<i>Biblical Literature</i>	10 Jr. Sr.	7 So. Jr. Sr.
1 Jr. Sr.	<i>Drawing</i>	8 So. Jr. Sr.
2 Sr.	3 Fr. So. Jr. Sr.	11 Jr. Sr.
3 Sr.	6 So. Jr. Sr.	14 Jr. Sr.
6 Sr.	7 So. Jr. Sr.	17 Jr. Sr.
12 Jr. Sr.	8 Fr. So. Jr. Sr.	<i>Greek</i>
14 So. Jr. Sr.	<i>Education</i>	C Fr. So. Jr. Sr.
15 Jr. Sr.	3 Jr. Sr.	3 Fr. So. Jr. Sr.
<i>Botany</i>	6 Sr.	6 So.
1 Fr. So. Jr. Sr.	<i>Electrical Engineering</i>	12 Jr. Sr.
2 So. Jr. Sr.	3 Jr. Sr.	20 So. Jr. Sr.
6 Jr. Sr.	6 Jr. Sr.	22 So. Jr. Sr.
<i>Chemistry</i>	9 Jr. Sr.	25 Sr.
3 Fr. So. Jr. Sr.	13 Sr.	35 Fr. So.
6 So. Jr. Sr.	<i>English</i>	<i>History</i>
9 Jr. Sr.	2 So.	6 So. Jr. Sr.
12 Jr. Sr.	3 So. Jr. Sr.	7 So. Jr. Sr.
13 Sr.	4 Jr. Sr.	10 Jr. Sr.
14 Sr.	6 Jr. Sr.	16 Sr.
20 Jr. Sr.	7 So. Jr. Sr.	21 Jr. Sr.
26 Jr. Sr.	9 Jr. Sr.	24 Sr.
29 Jr. Sr.	10 Jr. Sr.	<i>Italian</i>
35 Sr.	11 So. Jr. Sr.	28 So. Jr. Sr.
38 Sr.	13 Jr. Sr.	34 Jr. Sr.
<i>Civil Engineering</i>	15 Jr. Sr.	37 Jr. Sr.
6 So. Jr. Sr.	16 Jr. Sr.	<i>Latin</i>
9 Jr. Sr.	19 So. Jr. Sr.	3 Fr. So. Jr. Sr.
13 Jr. Sr.	20 So. Jr. Sr.	6 So.
15 Jr. Sr.	22 Jr. Sr.	9 Jr. Sr.
17 Sr.	23 Sr.	15 Jr. Sr.
18 Sr.	<i>French</i>	24 So. Jr. Sr.
19 So. Jr. Sr.	4 So. Jr. Sr.	33 So. Jr. Sr.

Mathematics

5 So. Jr. Sr.
8 So. Jr. Sr.
11 Jr. Sr.
14 So. Jr. Sr.
26 Sr.

Mechanical Engineering

1-7 So. Jr. Sr.
8 So. Jr. Sr.
11 Jr. Sr.
14 Sr.
15 Sr.
18 Jr. Sr.
21 Jr. Sr.

Mechanics

1 So. Jr. Sr.

Philosophy

1 So. Jr. Sr.
2 Jr.

Philosophy

3 Sr.
4 Jr. Sr.
5 Sr.
8 Jr. Sr.
11 Jr.
12 Sr.
16 Jr.

Physics

3 So. Jr. Sr.
6 So. Jr. Sr.
7 Jr. Sr.
10 Sr.
13 Sr.
16 Sr.
19 Sr.
22 Jr. Sr.
23 Sr.

Political Economy

1 So. Jr. Sr.
2 Jr. Sr.
5 Jr. Sr.
8 Jr. Sr.
12 Jr. Sr.
22 Jr. Sr.

Political Science

2 Jr. Sr.
5 Jr. Sr.
22 Jr. Sr.

Social Science

2 Jr. Sr.
3 Jr. Sr.

Spanish

40 So. Jr.
43 Jr. Sr.

LIBRARIES, LABORATORIES, AND MUSEUMS

· · · LIBRARIES

THE libraries of the University contain one hundred and fifty thousand volumes. They comprise the **MAIN LIBRARY**, which occupies the Library Building (the gift of John Carter Brown, of the class of 1816); the **JOHN CARTER BROWN LIBRARY**, with its own building, recently given to the University; and the **DEPARTMENT LIBRARIES**, in the various laboratories and semi-nary rooms.

THE MAIN LIBRARY

The Main Library is constantly increased with reference to the different courses of study, while at the same time there is kept in view the development of a library of general culture. It includes three special libraries. The first is the Wheaton Collection of International Law, given by William V. Kellen, of the class of 1872, in honor of Henry Wheaton, of the class of 1802. The second is the Harris Collection of American Poetry, founded by Albert G. Greene, extended by C. Fiske Harris, and bequeathed to the University by the Hon. Henry B. Anthony, which numbers seven thousand bound volumes, and is perhaps the largest collection in the world devoted to the subject. A fund, given by Samuel C. Eastman, of the class of 1857, in memory of the founder of the collection, Albert G. Greene, of the class of 1820, provides for its regular increase. The third is the Rider Collection of Rhode Island History, formed by Sidney S. Rider and presented to the University by Marsden J. Perry, a collection which has no superior in extent and rarity of manuscript and printed material bearing on the history of the state. To all the books except the two latter collections the students have free access.

The reading room contains the most important reference books; the books reserved by the departments for class use; the Select Library, a special collection of five hundred volumes of attractive reading; and the latest numbers of the standard periodicals, American and foreign. In this room also are the Loan Desk, where books are charged and returned, and the desk of the Reference Librarian, whose duty is to advise and assist students in their use of the books.

The library funds amount to over seventy-eight thousand dollars. Of this sum ten thousand dollars constitutes the Gammell Fund, for the purchase of books relating to the history of the United States; ten thousand dollars, the Olney Fund, for the purchase of plants and botanical books; ten thousand dollars, the Diman Memorial Fund, for the purchase of books on mediaeval and modern history; and ten thousand dollars, the Banigan Fund, for the

purchase of books on mediæval and church history. The remainder includes several smaller special funds and the Library Fund proper.

The following persons are entitled to the use of the Library without expense: the members of the Corporation and Faculty; other college officers; Graduates residing in the State of Rhode Island; donors to the funds of the University to the amount of five hundred dollars, residing in the State of Rhode Island; Graduate and Undergraduate students; and also other persons on whom the Corporation or the Library Committee may from time to time confer the privilege.

The Library is open during term time from 9 a. m. to 11 p. m. on week days, and from 2 to 11 p. m. on Sundays; during vacations from 10 a. m. to 4 p. m. on week days.

THE JOHN CARTER BROWN LIBRARY

The John Carter Brown Library, given to the University by the Trustees under the provisions of the will of the late John Nicholas Brown, of the class of 1885, is a collection of fifteen thousand volumes relating to the history of North and South America during the colonial period. The larger part of the books, many of which are of great rarity and value, were printed before the year 1800 and contain the earliest published accounts of events connected with the history of the discovery, exploration, and colonization of the Western Hemisphere. This collection, well known for many years as the most valuable private library of Americana in existence, was begun by John Carter Brown, of the class of 1816, and after his death was greatly enlarged by his widow and by his sons, the late John Nicholas and Harold Brown. The John Carter Brown Library occupies a building erected for it at the southeastern corner of the middle campus. It is open daily from 9 a. m. until 5 p. m., and the books may be consulted by all properly qualified students or investigators, upon application to the Librarian. In the main hall of the building there are a number of cases in which are constantly shown different exhibits of the rare books, engravings, and manuscripts belonging to the collection.

DEPARTMENT LIBRARIES

THE GERMANIC DEPARTMENT LIBRARY

The Germanic Department Library is contained in two rooms in Sayles Hall. It was purchased in Germany by the late Professor Alonzo Williams in the name of the principal donor, the Hon. Hezekiah Conant. The Library now comprises over six thousand carefully selected volumes, including editions of all the important writers of German literature; a large collection of Germanic philology; the leading German literary and philological periodicals; many works upon German history, the history of German literature, and German law, art, palæography, and geography. The Library is especially rich in works of the Middle High German period, and in Goethe and Schiller literature. It possesses many works of art which illustrate the subjects taught, — bronzes,

framed engravings, and volumes of plates. The rooms are open from 9.20 a. m. to 12.30 p. m., from 2 to 6 p. m., and from 8 to 9.30 p. m.

THE CLASSICAL DEPARTMENT LIBRARY

The Classical Department Library is contained in the room in Sayles Hall occupied by the Albert Harkness Classical Seminary, named in honor of its founder, Professor Albert Harkness. It consists of fifteen hundred volumes, purchased with funds contributed by friends of the University interested in classical studies, and contains the most important collections of Greek and Roman authors, besides commentaries, reference books, and similar aids. The Seminary is made the centre for advanced study and research in the classical languages and literatures. Though primarily intended for Graduate students, the Seminary is open to such Undergraduates as are qualified to profit by its advantages. The room is open from 9.20 a. m. to 10 p. m.

THE ROMANCE DEPARTMENT LIBRARY

The Romance Department Library is a collection of a thousand volumes for the use of advanced students in the Romance languages. It is contained in a room in Sayles Hall. This room is open daily.

THE BIBLICAL DEPARTMENT LIBRARY

The Biblical Department Library is kept in Sayles Hall. It consists of a reference collection of one thousand volumes, including a valuable collection of Semitic books presented by Mr. Jacob Shartenberg of Pawtucket. A number of Semitic, Biblical, and general religious journals are kept on file. The room is open from 9.20 a. m. to 12 m., from 2 to 5 p. m. and from 7 to 9 p. m., except Wednesday and Saturday afternoons.

THE ANATOMICAL DEPARTMENT LIBRARY

The Anatomical Department Library is contained in the rooms of the department of Comparative Anatomy in Rhode Island Hall. It is a collection of more than twelve hundred volumes, to which additions are constantly made. More than forty current periodicals bearing upon the work of the department are regularly received. The rooms are open from 9.20 a. m. to 4 p. m.

THE EDUCATIONAL DEPARTMENT LIBRARY

The Educational Department Library is contained in the seminary room of the department, in the Administration Building. The library contains over one thousand volumes, chiefly text-books of recent publication. The room is open to all students interested in education, and to teachers and friends of education in the city and state.

THE WOMEN'S COLLEGE LIBRARY

The Women's College Library and Reading Room occupy two rooms in Pembroke Hall. The library comprises about two thousand volumes of standard literature, chosen with special regard to the courses offered, thus forming for students of the Women's College a convenient and valuable adjunct to the University Library.

OTHER DEPARTMENT LIBRARIES

Most of the other departments of the University have special collections of books for seminary and advanced laboratory work. The most important of these belong to the departments of Astronomy, Botany, Chemistry, Economics, Engineering, English, Geology, Mathematics, Philosophy, and Physics.

OTHER PROVIDENCE LIBRARIES

There are also practically at the service of the students of the University the six collections of books named below. These comprise, with the University Library, about four hundred and fifty thousand volumes, exclusive of pamphlets and manuscripts.

THE PROVIDENCE PUBLIC LIBRARY

The Providence Public Library welcomes all students of Brown University, upon the same conditions as other residents of the city, to the use of its carefully selected collection, which comprises more than one hundred and eighteen thousand volumes. It is situated at the corner of Washington and Greene streets. It includes various special collections and departments. Its principal rooms are open regularly from 10 a. m. to 9 p. m. ; on Sundays and legal holidays from 2 to 9 p. m. Among its special departments may be mentioned the Harris Collection on Slavery and the Civil War ; the Educational Study-room ; the " Standard Library " of best literature ; and the Reference Department. About six hundred periodicals, serials, and annuals (of which about two hundred and seventy are the best known weeklies, monthlies, and quarterlies) are currently received. The library staff will be glad to be consulted with respect to books relating to any of the departments of University study, and to prepare lists of references in connection with any of the special topics under consideration.

THE LIBRARY OF THE PROVIDENCE ATHENAEUM

This is a library of general literature. It numbers sixty-seven thousand volumes. The reading room receives upwards of two hundred papers and magazines, including New York, Boston, and Providence daily papers, and American, English, German, French, and Italian weeklies, magazines, and reviews. In bound sets of periodicals and in books on art this library is especially rich. Professors or teachers, non-residents of the city, may become annual subscribers on the payment of four dollars in advance, and any student of Brown University whose family does not reside in the city, or who may obtain the privilege from the Board of Directors, may become a subscriber for three months on the payment of one dollar. The annual subscription for residents is seven dollars and a half. The Athenaeum is open during the college year from 9 a. m. to 10 p. m. on week days.

THE LIBRARY OF THE RHODE ISLAND HISTORICAL SOCIETY

The Library of the Rhode Island Historical Society is situated on Waterman Street, next door to the University Library building. The library of the Society

comprises twenty thousand bound volumes and forty thousand valuable unbound volumes and pamphlets. Through the courtesy of the Society the collection is made accessible, free of charge, to members of the University. It offers special facilities for thorough research not only in all subjects relating to the history of Rhode Island, but also in genealogy, local history, and general American history. Its library has recently been enriched by a special bequest of books on the English and American drama, and by a collection of works on early American travels and ethnology. The Library is open from 9 a. m. to 4 p. m. on week days.

THE LIBRARY OF THE RHODE ISLAND MEDICAL SOCIETY

The Library of the Rhode Island Medical Society is kept in the Providence Public Library Building, on Washington Street. It comprises twenty-two thousand volumes and numerous pamphlets upon medical science, including biology, physiology, physiological psychology, hygiene, and other subjects the study of which is pursued in the University. About one hundred and seventy-five medical periodicals are currently received. Arrangements are easily made whereby any student can without cost enjoy the privileges here offered. This collection is open daily from 10 a. m. to 6 p. m.

THE STATE LAW LIBRARY

The State Law Library, a collection of twenty-nine thousand volumes, may be consulted in the Providence County Court House, at the corner of Benefit and College streets, between the hours of 9 a. m. and 5 p. m. on week days, excepting on Saturdays, when it closes at 3 p. m. It is accessible to all students, and for certain lines of University study is invaluable. University students are requested to introduce themselves to the librarian on their first visit to this library.

THE STATE LIBRARY

The State Library, located in the State House, is accessible to the public from 9 a. m. to 5 p. m.; on Saturdays from 9 a. m. to 12 m. This library contains a large collection of official documents of the United States and of the several states, as well as general works pertaining to history and political science.

LABORATORIES

THE LADD ASTRONOMICAL OBSERVATORY

The Ladd Astronomical Observatory is equipped with a Saegmuller-Brashear equatorial of twelve inches aperture, which is supplied with a filar micrometer, spectroscope, and other attachments; two transit instruments, one of which can be used as a zenith telescope; a chronograph; two astronomical clocks; several sextants and chronometers; recording meteorological apparatus; and various minor instruments. The equipment is available for illustrating the general courses in astronomy and for practical use in the applied courses.

The Observatory furnishes constant time-signals to the Rhode Island Elec-

tric Protective Company, which distributes them to its patrons. Routine observations for determining clock errors, and for pressure, temperature, humidity, and precipitation are made throughout the year. Special observations are also made as opportunity offers.

THE PHYSICAL LABORATORY

The Physical Laboratory, in which the courses offered by the department of Physics are conducted, is in Wilson Hall, which was specially designed and constructed for this purpose. Twelve special laboratory rooms are available for experimental study. Brick piers support instruments requiring great steadiness, and the magnetic rooms are as free as possible from the influence of iron and from other disturbances. Several rooms on the ground floor are devoted to a laboratory for electrical engineering. The Laboratory is supplied with apparatus both experimental and demonstrative, and additions are made as necessity requires; merely exhibitional apparatus is excluded. The department is in possession of a large assortment of historical and other photographs, lantern slides, and cage models illustrating the propositions in pure and applied physics.

THE ANATOMICAL LABORATORIES

The Anatomical Laboratories are in Rhode Island Hall. They consist of private rooms for the instructors, a laboratory for Graduate students, a seminary room, a physiological laboratory, a laboratory for bacteriology and histology, a laboratory for neurology and embryology, and a large laboratory for elementary anatomy and the comparative anatomy of vertebrates and invertebrates. The large collection of zoölogical material, the anatomical and histological preparations of the Museum, the anatomical collection of the Rhode Island Medical Society, and rich material frequently contributed by the United States Fish Commission from the deep-sea dredging excursions, are always accessible to the students. Abundant living material is also readily available, since the laboratory is situated near the salt water and within a few miles of two floating laboratories located on opposite sides of Narragansett Bay.

THE CHEMICAL LABORATORIES

The Chemical Laboratories are in Rogers Hall, which was erected expressly for the Department of Chemistry. The inorganic laboratory is supplied with work-tables and lockers furnishing accommodations for about two hundred and fifty students working by detachments. The organic laboratory is fitted with work-tables for about fifty students. Each table has arrangements for gas, high pressure water supply, etc. The library of the Chemical Department is here.

THE BOTANICAL LABORATORY

The Botanical Laboratory is in the basement of Maxey Hall. The main lecture room and laboratory will accommodate thirty-seven students. A smaller room adjoining is used for a histological laboratory and will accommodate twelve students. Instruments and certain materials are provided. The Her-

barium, on the same floor, is convenient for consultation and for the systematic study of native and foreign plants.

THE PSYCHOLOGICAL LABORATORY

The Psychological Laboratory occupies rooms in Wilson Hall. It possesses apparatus for the study of sensations, the determination of discriminative sensibility, the measurement of the duration of mental processes, the detection of physiological accompaniments of changes in consciousness, the study of temperament, and other fields of research. This equipment is adapted for the illustration and demonstration of the main results of experimental work in psychology, and offers good facilities for carrying out the aim of the department—to make contributions to knowledge on this subject by original research.

THE MECHANICAL ENGINEERING LABORATORIES

The Mechanical Engineering Laboratories, library, and drawing room are situated in the Engineering Building. This building is seventy-two by eighty-four feet, three stories high, and is designed so that a later addition of nearly equal size may be made. The first floor is used as an engineering laboratory. On the second floor are four large recitation rooms and a laboratory containing the lighter experimental apparatus. The third floor is used entirely for drafting.

The laboratory for testing the strength of materials contains a 400,000-pound Riehle testing machine of special design for testing large specimens in tension, compression, and cross bending; a 50,000-pound Riehle testing machine; a machine for testing full-sized timber and steel beams; a 50,000-inch-pound Olsen torsion testing machine; a machine for testing by repeated stresses; a Riehle cement testing machine; and the necessary auxiliary apparatus such as micrometers, extensometers, etc.

The steam engineering laboratory contains a cross-compound condensing Corliss engine, size 10 and 18 by 30, specially designed for experimental purposes, together with various smaller engines, steam pumps, injectors, and the necessary apparatus for testing them, and also a boiler of 250 pounds' working pressure, arranged for either natural or mechanical draft. The central heating plant of the University is used as a basis for numerous tests by the students.

The laboratory of metallography is equipped with apparatus for investigating the nature and structure of alloys. In connection with the laboratory is a photographic dark room. The apparatus includes polishing machines for preparing specimens, a Leitz microscope with accessories, including photographic apparatus, a thermo-electric pyrometer, and lantern apparatus.

The department is provided with the necessary small apparatus such as indicators, tachometers, a gauge tester, steam and fuel calorimeters, and gas analysis apparatus. It has also facilities for meter testing, etc. Models for the illustration of the various courses are constantly being made or acquired.

THE MECHANICAL ENGINEERING SHOPS

The Mechanical Engineering Shops, situated in Rogers Hall, are equipped for purposes of instruction. The wood-working shop is provided with large and small lathes, circular and band saws, a buzz-planer, vertical boring and mortising machines, and benches and bench tools. The metal-working shop is provided with engine lathes, hand lathes, a planer, a shaper, milling machines, large and small vertical drills, a universal grinder, a surface grinder, a cutter and reamer grinder, a drill grinder, a power hack saw, and a small foot-press. There are also a blacksmith's outfit for forming and dressing tools, and facilities for hardening and tempering. Power is furnished by two 10-horse-power electric motors.

THE MECHANICAL DRAWING ROOMS

The Mechanical Drawing Rooms are on the top floor of the Engineering Building. These rooms accommodate two hundred and fifty students. About two hundred and twenty-five valuable models in wood and metal have been collected; many of these are mechanical in nature and are extensively used in the courses. The department possesses a dark room, exposure frame, and washing tank, for preparing and developing blue-prints. Connected with the main drawing room is a library and reading room in which may be found books relating to drawing and allied subjects. A limited number of sets of drawing instruments have been provided for the use of deserving students who would otherwise be unable to pursue courses in drawing.

THE CIVIL ENGINEERING DRAFTING ROOMS

The Civil Engineering Drafting Rooms, library, instrument room, and offices are located on the second floor of the Engineering Building. The drafting rooms have desks for about sixty students. The instrument room contains a complete equipment of transits, theodolites, wye-levels, dumpy levels, hand levels, plane tables, compasses, base-line apparatus, planimeters, tapes, leveling rods, telemeter rods, range poles, etc., for the field work in surveying and railroad engineering. For the work in structural engineering the department has a collection of over four hundred photographs, five hundred large blue-prints of bridges, buildings, roof trusses, etc., and a complete set of steel structural shapes and iron beam-hangers. The department has also a collection of the various rocks used as road material, a Bausch and Lomb petrographical microscope, a set of the rail sections of the American Society of Civil Engineers, and models of railway appliances and harbor improvements.

MUSEUMS

THE MUSEUMS OF ZOÖLOGY AND ANTHROPOLOGY

The Museums of Zoölogy and Anthropology are in Rhode Island Hall, and are open to the public daily. Students desiring to use the collections for the purpose of study or investigation receive every encouragement, the aim be-

ing to make the museums not mere exhibition rooms, but places for work. The zoölogical and anatomical collections of the University form the Jenks Zoölogical Museum. The Museum of Anthropology contains a collection of articles of dress and rare implements from foreign countries, and a valuable collection of stone implements of aboriginal American races, including those of Rhode Island.

THE HERBARIUM

The Herbarium, situated in Maxcy Hall, consists mainly of various collections which have been given or bequeathed to the University. Those of Colonel Olney, Mr. Bennett, Dr. Bailey, Miss Stout, and Mr. Brownell are the most prominent. The Olney collection is particularly rich in the genus *Carex*. The Stout collection consists mostly of ferns. In addition to these collections many specimens have been obtained by exchange, purchase, and small donations. The Olney, Bailey, and Stout collections are nearly all mounted; the remainder are mainly unmounted. These collections are merged in one general herbarium, containing in all about forty thousand sheets, representing specimens from more than sixty thousand localities. In 1902 Dr. Bailey's second herbarium was purchased by friends and presented to the University. This is now being arranged and mounted, and will ultimately be merged in the general collection. To these is added the nucleus of a collection of seeds.

The arrangement of orders and genera of the flowering plants is at present according to Bentham and Hooker's *Genera Plantarum*; of the ferns, according to Hooker's *Synopsis Filicum*; of the mosses, according to Eaton's list. All are soon to be arranged according to Engler and Prantl's *Natürliche Pflanzenfamilien*.

THE MUSEUM OF FINE ARTS

The Museum of Fine Arts occupies the first floor of Manning Hall. It contains plaster casts of rare excellence, chiefly from works of classical sculpture, which are of great value in illustrating ancient history, biography, and art. It also contains a few bronzes and oil paintings.

The portraits, of which the University possesses a large number of valuable specimens, are mostly hung in Sayles Memorial Hall. The collection receives accessions every year. It now includes portraits of the University's principal benefactors, of many of its former officers, and of many other distinguished persons, Americans and foreigners, the history of Rhode Island being especially well represented.

ARRANGEMENTS WITH OTHER INSTITUTIONS

THE RHODE ISLAND SCHOOL OF DESIGN

THE Rhode Island School of Design, which was incorporated in 1877 and opened in Providence in 1878, is an institution of large and increasing importance for the education of artisans and artists in the principles and processes of art, and for the general advancement of education in art by the exhibition of works of art and art studies, and by lectures on art. Its school buildings and museum are near the University grounds, and its collections are open daily to the public free of charge. Through its exhibitions there is opened to students an important means of culture.

The Corporation and Faculty of Brown University have agreed with the authorities of the Rhode Island School of Design upon a plan of coöperation in accordance with which certain courses at this school will be open to students of Brown University and will be counted towards a University degree. A description of these courses and a statement of the conditions under which they may be elected will be found in the list of studies given under the Department of Art, on page 68. Students from the Rhode Island School of Design are admitted to any classes in Brown University for which they are found to be prepared, and Brown University gives certain special courses for the benefit of classes from the Rhode Island School of Design.

THE AMERICAN SCHOOL OF CLASSICAL STUDIES AT ATHENS

In 1902 a number of the friends of the University, in recognition of the sixtieth anniversary of the graduation of Professor Harkness, one of the founders of the School, united in contributing the sum of \$5,555, which was paid to the Treasurer of the American School of Classical Studies at Athens to establish a fund to be known forever as "The Albert Harkness Fund for the Benefit of Brown University." The privilege of free tuition in the School at Athens for all adequately prepared graduates of Brown University is henceforth secured by the establishment of this Fund. Any who desire detailed information regarding the School may obtain it by applying to Professor William Carey Poland, a former Director of the School, and now a member of the Managing Committee.

THE NEWTON THEOLOGICAL INSTITUTION

The Newton Theological Institution has entered into an agreement with Brown University whereby certain work done in the University, for which a mark of C has been awarded, or upon which the student passes an examination satisfactory to the Newton Faculty, will be credited toward graduation in the Theological course as follows: *Biblical Literature and History* 1, 2 (132 hours); 13, 14 (112 hours); 7-12 (108 hours); *English* 7 (36 hours): in all, 388 hours.

The total number of prescribed hours in the Theological course at the Newton Theological Institution is 1,620.

THE SCHOOL COMMITTEE OF THE CITY OF PROVIDENCE

The School Committee of the City of Providence, by a special agreement, appoints a number of students as teachers in the Providence High Schools. Appointments are made from members of the Senior class who have pursued undergraduate courses in Education. These student-teachers are of two types. Those of the first type—of whom there are at least six (three of each sex)—are occupied in the schools each day for somewhat more than half the usual school session. They receive a salary of four hundred dollars a year from the city. Those of the second type are allowed to teach and observe about five hours a week. They have considerably more freedom in the choice of subjects and of hours than those of the first type; they receive no remuneration from the city. An unusual opportunity is thus afforded students to gain at the same time a knowledge of the theory of education and experience in the art of teaching. In making appointments to places as teachers of the lowest grade in the Providence High Schools, preference is given to those who have successfully completed this course of training as student-teachers. In this respect student-teachers of the second type have the same status before the committee that makes appointments as those of the first type. The practice-teaching in the Providence High Schools is done under the following supervising teachers: Charles E. Dennis, Ph.D., Latin; Charles E. Tilley, A.M., Physics and Chemistry; Horace E. Jacobs, A.M., Latin and Mathematics; Florence J. Whiting, A.M., Mathematics; Sidney A. Sherman, Ph.D., History; Harriet P. Fuller, A.M., Latin; M. Catherine Mahy, A.M., English; William Jones, Ph.D., History and Civics; Agnes F. Williams, A.B., French; Harry Smalley, A.M., History.

In a similar way a number of students are appointed to places in the Providence Grammar Schools. They receive a salary of three hundred dollars a year from the city. If, after completing their course of training, they are appointed as regular teachers in the city schools, they have credit for experience which entitles them to receive five hundred dollars for their first year of service. They have also certain other advantages. A limited number of Seniors and Graduates who are pursuing courses in Education are allowed to observe and teach in the Grammar Schools of the city in a way similar to that provided for student-teachers of the second type in High Schools. The practice-teaching in the Providence Grammar Schools is done under the following supervising teachers: Isaac O. Winslow, A.M., Grammar Grades; Mary Williams, Eighth Grade; and the Grammar Critics of the Providence Public Schools.

PROVISIONS FOR THE PERSONAL WELFARE OF THE STUDENTS

PHYSICAL TRAINING

FOR the physical training of the students excellent opportunities are offered by the Lyman Gymnasium. It is thoroughly equipped with baths, dressing rooms, bowling alleys, and all kinds of apparatus usually found in modern gymnasiums. It has also a swimming pool—the Colgate Hoyt Swimming Pool—seventy-five feet in length by twenty-five feet in width, with a capacity of seventy-five thousand gallons. The pool is made of enameled brick and marble, and is supplied with a filter to ensure the clearness and purity of the water. All the gymnasium work is under the care of the Professor of Physical Training, who makes a thorough examination and measurement of each student on entrance, and at other times during the year by request. Special cases are referred to Dr. G. W. Gardner, the University Physician. Such exercises are prescribed as may be necessary to give health, strength, and symmetrical development. No student is allowed to attempt any feat which is likely to result in injury. From the close of the Thanksgiving recess to the end of the second term, all first and second year students are required to attend gymnasium exercises three times a week. For other members of the University voluntary classes are provided. The instructor gives five-minute talks on personal hygiene and exercise. The class work consists of setting-up exercises, developing exercises, calisthenics, the use of clubs, dumb-bells, wands, and single sticks, and general athletics. Instruction is also given in wrestling, boxing, and swimming. A special effort is made to teach all students to swim. In all the work, the aim is to develop health, strength, and vitality.

All branches of athletics are under the management of the Brown University Athletic Association and are controlled by a Board composed of representatives of the Faculty, Alumni, and Undergraduates. The Faculty Committee on Athletic and Other Student Organizations has general oversight of the department and scholarship of the members of the various teams. Lincoln Field adjoins the gymnasium and is a convenient place of exercise for the class teams and the students in general. Andrews Field, which is a mile and a half from the University, offers the usual opportunities for all the University teams.

MEDICAL CARE

Any student suffering from illness is expected to go at once to the office of the University Physician, Dr. George W. Gardner, or, if necessary, to request Dr. Gardner to come to his room. When called to see students, the

duty of the University Physician is to make one call for diagnosis and prescription at the expense of the University. For continued attendance, students will make their own arrangements with Dr. Gardner or some other physician.

The University owns two free beds in the Rhode Island Hospital, to the occupancy of which the President of the University has the right of appointment. The first of these, THE CHARLES SMITH BRADLEY FREE BED, was established in 1872 by a payment to the hospital of four thousand dollars by the late Judge Bradley, a member of the Board of Fellows, thereby endowing a free bed "under the control of the President of Brown University for the time being, for the benefit of any officer or student of that institution who may have occasion for it." The second, THE GEORGE IDE CHACE FREE BED, was established by a payment to the hospital of a like sum by the late Professor George Ide Chace; this foundation gives to the President of the University "the right to nominate and send to said hospital a patient, being a proper subject for treatment in said hospital, according to the rules of the institution to occupy a bed in said hospital, and to receive the usual care, and medical, surgical, and other attendance, and medicines and board, free of charge."

CHAPEL SERVICES

A chapel service is held in Sayles Hall every week day at 9 a.m. At the same hour the Women's College has a chapel service in Pembroke Hall. The President usually conducts the exercises in Sayles Hall, and the Dean of the Women's College conducts the exercises in Pembroke Hall. Attendance is required of Undergraduates.

During the winter a series of vesper services is held in Sayles Hall on Wednesday afternoons at five o'clock, open both to students and to the public. The preachers last year were as follows:

PRESIDENT CHARLES CUTHBERT HALL, D.D., *of Union Theological Seminary*

REV. GEORGE H. FERRIS, A.M., *of New Haven, Conn.*

REV. SAMUEL A. ELIOT, D.D., *President of the American Unitarian Association*

REV. WILLIAM C. BITTING, D.D., *of New York City*

ROBERT E. SFEER, A.M., *Secretary of the Presbyterian Board of Foreign Missions*

REV. ANSON PHELPS STOKES, JR., A.M., *Secretary of Yale University*

RT. REV. JOHN H. VINCENT, D.D., *Bishop of the Methodist Episcopal Church*

THE BROWN UNION

The Brown Union is an organization intended to promote the social and religious life of the University. Its membership is open to students, alumni, and members of the Faculty. It occupies Rockefeller Hall, which was built espe-

cially for its use. The immediate direction of the Union is vested in a Board of Management consisting of the President of the Union and four members appointed by the Corporation. The building provides ample accommodations for the Brown University Young Men's Christian Association, which conducts voluntary Bible classes for students and maintains an employment bureau and supports philanthropic work in the city. Rooms are also provided for other religious, literary, and social organizations of the students.

STUDENT ADVISERS

Every member of the Freshman class is assigned to some member of the Faculty who serves throughout the year as a special counselor to that student. In the assignment of students to advisers the preferences of both are consulted when practicable. The system is designed to further personal intercourse between student and instructor, and to afford the student means of obtaining at any time unofficial advice on any matter connected with his college life.

DORMITORY ACCOMMODATIONS

IN the University dormitories there are in all one hundred and forty-six single rooms and thirty-four suites. The rooms in Hope College, University Hall, Slater Hall, and the College Street House are rented unfurnished. Those in Maxey Hall and Caswell Hall contain all necessary furniture, occupants providing nothing except bed-linen and towels. A table showing the rent and location of the dormitory rooms is given in the Appendix. The prices there given include rent, heat, and service for the college year. In the College Street House lighting is also included; in Slater Hall, University Hall, Hope College, Maxey Hall, and Caswell Hall, there are meters for each room and the occupants are charged for the amount used each term.

Each student renting a room must sign a contract therefor in the form given below, on which surety may be demanded, binding him to pay, or cause to be paid, the rent of the room through the entire year. Where two students rent a room together, each must sign a contract for half the room expenses. This obligation is not impaired by the student's removal from the University, whatever the cause of such removal.

The following is a contract between Brown University, party of the first part, and the undersigned, party of the second part. I hereby engage room No. in ; the same not to be occupied by any other person without consent of the party of the first part, and I bind myself to pay or cause to be paid to the Registrar of Brown University the entire rent, including heat and service, amounting to \$ for the college year beginning September, 190 .

It is a part of this agreement that I shall be held responsible for all damage or defacement of such room or its furniture, ordinary wear excepted; also that disuse of the room by me on account of illness, or in case registration is refused me owing to low standing or bad conduct, does not impair the obligation of this contract.

Signed _____

This day of

190 .

Not more than two students are allowed regularly to occupy a room or suite. When the University holds full contracts for a room, the tenant or tenants may admit to the regular use of the room in the daytime one or two students, but not more than two. The names of any such sub-tenants must be reported to the Registrar as soon as the arrangement for sub-tenancy is made. For each sub-tenant the University makes an extra charge of one dollar a term for service. This sum is paid to the University by the tenant in chief if there is but one; if there are two, each pays half.

Students who desire to retain for the coming year the rooms now rented by them may do so by signing new contracts and filing them with the Registrar before 4 p. m. on May 11, 1906. All rooms not signed for on the above date will be disposed of at a drawing on May 26 at 4.30 p. m. Men intending to enter college can arrange to be represented at the drawing by notifying the Registrar.

UNIVERSITY FEES

FEES FOR UNDERGRADUATES

TUITION: \$35 a term; \$105 a year.

Incidentals: \$16 a term; \$48 a year.

Matriculation fee: (Freshman year only), \$5.

Graduation fee: (Senior year only), \$8.

The incidental expenses are for the printing of programs, examination papers, and the like, the use of the library and the gymnasium, heat for these buildings and for the dormitories and recitation rooms, and the wages of servants to care for them.

Special students who are taking courses amounting to less than fifteen hours a week pay in proportion to the actual amount taken.

Students leaving college before the middle of a term, unless for misconduct or failure in scholarship, pay in tuition, incidentals, and laboratory fees (exclusive of breakage, which is charged at cost) half the usual term dues, provided prompt notice of withdrawal is sent to the Registrar. Students leaving college on account of misconduct or failure in scholarship receive no reduction.

Students taking the first degree in less than four years pay an additional fee of \$25.

FEEES FOR RESIDENT GRADUATE STUDENTS

Tuition: \$50 a term; \$150 a year.

Graduation fee: for the degree of Master of Arts, \$15.

Graduation fee: for the degree of Master of Science, \$15.

Graduation fee: for the degree of Doctor of Philosophy, \$25.

Students taking the second degree in less than one year after attaining the first degree pay an additional fee of \$25.

Graduate students who are taking courses amounting to less than fifteen hours a week pay in proportion to the actual amount taken.

A candidate in residence for the degree of MASTER OF ARTS or MASTER OF SCIENCE who has paid full tuition for one year may, if necessary to the attainment of his degree, continue his studies for one year more without additional charge.

A candidate in residence for the degree of MASTER OF ARTS who without remitting his studies becomes a candidate for the degree of DOCTOR OF PHILOSOPHY, is credited with whatever tuition he has already paid, in case his previous work is allowed to count toward the higher degree.

A candidate for the degree of DOCTOR OF PHILOSOPHY who has paid full tuition for two years may if necessary to the attainment of his degree continue his studies for two years more without additional charge.

FEEES FOR NON-RESIDENT GRADUATE STUDENTS

Registration fee: \$25.

Tuition: \$10 a term; \$30 a year.

Examination fee: \$15.

A non-resident candidate is entitled, upon payment of the above fees, to pursue one three-hour course at the University. For each additional course a proportional fee is charged.

A non-resident candidate who has paid tuition for two years may, if necessary to the attainment of his degree, continue his studies for one year more without additional charge, except for work taken at the University.

LABORATORY FEEES

In addition to the regular fees given above, the following fees are charged for laboratory courses. These fees cover the cost of ordinary supplies. Special supplies and breakage are charged extra.

<i>Chemistry 1, 2, 3</i>	\$ 3.00 a term
<i>Chemistry, advanced 3-hour course</i>	5.00 a term
<i>Chemistry, advanced 6-hour course</i>	10.00 a term
<i>Botany, each 3-hour course</i>	3.00 a term
<i>Comparative Anatomy, each 3-hour course</i>	5.00 a term
<i>Physics, each 3-hour course</i>	5.00 a term
<i>Mechanical Engineering, each 3-hour course</i>	5.00 a term
<i>Electrical Engineering, each 3-hour course</i>	5.00 a term

GUARANTEE AND TERM BILLS

At the time of admission every student is required to present a guarantee signed by his parent or guardian or some other responsible person. This guarantee must cover all college expenses. A student may be excused from furnishing the guarantee by payment of his full term bill at the time of registration, and also his full annual room rent at the beginning of the year.

Bills are sent out as soon as possible after the beginning of each term and are due on presentation.

ESTIMATE OF ANNUAL EXPENSES

THE following is an approximate estimate of the annual expenses of a student who occupies (with a room-mate) a dormitory room. It does not include outlay for clothes and traveling or other strictly personal expenses.

	<i>Moderate</i>	<i>Liberal</i>
<i>Tuition</i>	\$105.00	\$105.00
<i>Incidentals</i>	48.00	48.00
<i>Room rent, including heat and service</i>	60.00	212.50
<i>Board (40 weeks)</i>	150.00	280.00
<i>Books and laboratory expenses</i>	30.00	75.00
<i>Total</i>	<hr/> \$393.00	<hr/> \$720.50

Matriculation fee (first year), \$5.

Graduation fee (fourth year), \$8.

Board is not furnished by the University; but the BROWN UNIVERSITY CO-OPERATIVE REFECTORY, organized and controlled by students, furnishes its shareholders with board at cost. At present the price is \$3.75 a week.

Students needing to increase their incomes through their own exertions find in the city numerous opportunities for doing so by giving private instruction, by teaching in evening schools, and by other occupations not inconsistent with their college duties.

FINANCIAL AID TO STUDENTS

THE aid which Brown University is able to offer students of limited means is granted under three conditions: (1) the recipient must be a candidate for a degree, having been fully admitted to the Freshman class or to advanced standing; (2) the recipient must be of good moral character and maintain a creditable standing in his studies; the aid is withdrawn if the student is placed under college discipline or fails to maintain good scholarship; an average of C is expected; (3) the recipient must be in need of the financial assist-

ance rendered. The aid rendered is of three kinds: (1) Loans; (2) Fellowship, scholarship, and aid funds; (3) Payment in cash or in credit on term bills for services rendered.

The administration of the scholarship and aid funds is in the hands of a committee of the Faculty, annually appointed by the Corporation for that purpose. The Dean of the University is the executive of the committee. Applications for scholarships for a given academic year should be filed with the Dean before May 1 of the preceding year. Action upon all applications is taken by the committee before July 1. The President has charge of the administration of fellowships, loan funds, and the service system.

[A.] LOAN FUNDS

The University has two funds available for this purpose:

I. The Alumni Loan Fund, now amounting to about \$4,300. This Fund was established by the Alumni Association at the Commencement of 1900 by a vote transferring to the Treasurer of the University the fund formerly known as the Brown Loyalty Fund, to be used as a loan fund for students. The principal of this fund is loaned at interest, to be repaid as agreed upon in each instance.

II. A fund of several hundred dollars, which is loaned in small amounts without interest, for short periods, to students unexpectedly needing temporary assistance.

[B.] FELLOWSHIP, SCHOLARSHIP, AND AID FUNDS

THE GRAND ARMY OF THE REPUBLIC FELLOWSHIP

In 1891 the Grand Army of the Republic, Department of Rhode Island, gave to Brown University the sum of ten thousand dollars, to be forever known as the Grand Army of the Republic Fellowship Fund. Only the income of the Fund can be used. This income is for the aid of a Graduate of Brown University, of acknowledged excellence in scholarship and character, who before accepting this fellowship must be enrolled as a candidate for the degree of Doctor of Philosophy, unless he has already received that degree, and who will reside at Brown University and devote his entire time to the pursuit of advanced liberal study. The intention is that the income for any year shall all go to the same person, except in case of his death or his resignation or forfeiture of the fellowship, when a successor may be appointed for the remainder of the year. Holders of the fellowship are appointed by the President of the University, subject to the approval of the Board of Fellows; but the descendants of Union Veterans of the Civil War of 1861-5 are always to be preferred when the other qualifications of candidates are equal. No consideration touching the political or religious preferences of candidates can

ever enter into the appointments. Appointments to the fellowship are regularly made for one year, but incumbents of special diligence or ability may be reappointed. The President is authorized to make for the reception and use of the income from this Fund such other conditions, not inconsistent with the above, as he may from time to time deem wise and proper. Applications for this fellowship must be made in writing on blanks furnished by the Dean of the Graduate Department, and must be in the hands of the President not later than May 15. The Grand Army of the Republic Fellow for 1905-6 is

GUY BLANDIN COLBURN, A.M.

TEACHING FELLOWSHIPS

In addition to the foregoing, a number of Teaching Fellowships have been established, information regarding which will be furnished by the President.

FUNDED SCHOLARSHIPS

These are funds, presented to the University at various times, the incomes of which are awarded annually according to the conditions attaching to each fund. The scholarships established when the rate of interest was higher than at present and the cost of education less, are each of one thousand dollars. There are now seventy-six scholarships of this amount, each with a designated name and yielding the beneficiary forty-five dollars annually; with the exceptions indicated, they bear the names of their founders.

THE ELEVEN NICHOLAS BROWN SCHOLARSHIPS

THE FOUR UNIVERSITY SCHOLARSHIPS

THE PRESIDENT'S (SEARS) SCHOLARSHIP

THE SIX ALVA WOODS SCHOLARSHIPS

THE JAMES H. DUNCAN SCHOLARSHIP

THE ISAAC DAVIS SCHOLARSHIP

THE ARNOLD WHIPPLE SCHOLARSHIP

founded by Mrs. Arnold Whipple.

THE EPHRAIM WHEATON SCHOLARSHIP

founded by James Wheaton.

THE JOSEPH BROWN SCHOLARSHIP

founded by Mrs. E. B. Rogers.

THE GARDNER COLBY SCHOLARSHIP

THE CROCKER SCHOLARSHIP

founded by Robert H. Ives and Thomas P. Ives, Trustees.

THE CLARK SCHOLARSHIP

also founded by the Messrs. Ives.

THE GEORGE K. AND H. A. PEVEAR SCHOLARSHIP

THE JOSEPH CHARLES HARTSHORN SCHOLARSHIP

THE ROGERS HIGH SCHOOL SCHOLARSHIP

founded by William Sanford Rogers.

THE JAMES WHEATON SCHOLARSHIP

THE CHARLES THURBER SCHOLARSHIP

THE PARDON MILLER SCHOLARSHIP

founded by Mrs. Ann E. Miller.

THE HEZEKIAH S. CHASE SCHOLARSHIP

THE WILLIAM BUCKNELL SCHOLARSHIP

THE AUSTIN MERRICK SCHOLARSHIP

founded by Mrs. Olive E. Merrick.

THE HORATIO N. SLATER SCHOLARSHIP

THE EARL P. MASON SCHOLARSHIP

THE NEWPORT SCHOLARSHIP

founded by William Sanford Rogers.

THE ALEXIS CASWELL SCHOLARSHIP

THE THREE HENRY JACKSON SCHOLARSHIPS

THE MUMFORD SCHOLARSHIP

founded by Mrs. Louisa D. Mumford.

THE ALBERT DAY SCHOLARSHIP

THE HENRY P. KENT SCHOLARSHIP

THE ROMEO ELTON SCHOLARSHIP

THE FIVE ANNIE E. WATERS SCHOLARSHIPS

THE LEWIS FAIRBROTHER SCHOLARSHIP

founded by Mrs. Lewis Fairbrother.

THE GEORGE LAWTON SCHOLARSHIP

THE JOHN P. CROZER SCHOLARSHIP

founded by Mrs. Margaret Bucknell.

THE JAMES Y. SMITH SCHOLARSHIP

THE TWO S. S. BRADFORD SCHOLARSHIPS

THE FRANCIS R. ARNOLD SCHOLARSHIP

THE CORNELIA E. GREEN SCHOLARSHIP

THE HENRY CLIFFORD KNIGHT SCHOLARSHIP

founded by Miss Amelia S. Knight, in memory of her brother, a member of the class of 1875.

THE THURSTON SCHOLARSHIP

founded by the Hon. Benjamin F. Thurston, LL.D., of the class of 1849.

THE RUFUS BABCOCK SCHOLARSHIP

founded by Mrs. Caroline Vassar Babcock Jones, in memory of her father, the Rev. Rufus Babcock, D.D., of the class of 1821.

THE JAMES FLETCHER BLACKINTON SCHOLARSHIP

founded by Mrs. Mary D. Blackinton, in honor of her husband, James Fletcher Blackinton, of the class of 1847.

THE FIVE WILLIAM A. WHITE SCHOLARSHIPS

founded by Mrs. Abby S. A. White, in honor of her husband, William A. White, of the class of 1857.

THE RICHARDS SCHOLARSHIP

founded by the Rev. William Coolidge Richards, of the class of 1837.

THE SAMUEL WHITE DUNCAN SCHOLARSHIP

founded by Mrs. Mary Duncan Harris.

THE S. DRYDEN PHELPS SCHOLARSHIP

founded by the Rev. S. Dryden Phelps, D.D., of the class of 1844, the income to be given each year to some student who is preparing for the Baptist ministry.

THE BENJAMIN HUTCHINSON JUDAH SCHOLARSHIP

The following scholarships are of larger amounts:

THE TWO GEORGE J. SHERMAN SCHOLARSHIPS

paid from a fund of two thousand five hundred and sixty-five dollars.

THE BARTLETT SCHOLARSHIP

of four thousand dollars, founded by Mrs. Elizabeth Slater Bartlett; the income to be "devoted to the support of one or more students needing pecuniary aid, and giving promise, by studious aim and by character and scholarship, of rising to distinction and usefulness."

THE GLOVER SCHOLARSHIP

of five thousand dollars, founded by Henry R. Glover, "in memory of his father, Samuel Glover, of the class of 1808, and of his brother, Samuel Glover, Jr., of the class of 1839."

THE REBECCA A. WHEELER SCHOLARSHIP

of fifteen hundred and seventy one dollars, founded by the lady whose name it bears; the income to assist some worthy student, preferably a candidate for the Baptist ministry.

THE SCHOLARSHIP OF THE CLASS OF 1838
of thirty-eight hundred dollars.

THE JOSEPH CHARLES HARTSHORN SCHOLARSHIP
of two thousand dollars.

THE TWO BANIGAN SCHOLARSHIPS
of three thousand dollars each, founded by Joseph Banigan of Providence;
the income as far as necessary to be used each year to defray the tuition
of two students of the University.

THE GEORGE IDE CHACE SCHOLARSHIP
of five thousand dollars, founded by Professor George Ide Chace, the income to be assigned each year by the Faculty to some member of the Senior class needing the money, who shows "marked ability, exemplary industry, generous aspirations, and irreproachable character." If in the Senior class there chances to be no person fulfilling the requirements of this scholarship, the proceeds of the scholarship for that year must, under the proper direction, be appropriated to the purchase of books for the library of the University.

THE ABBY WHEATON CHACE SCHOLARSHIP
of four thousand dollars, also founded by Professor George Ide Chace; the income to be assigned yearly by the Faculty to some member of the Junior class needing the money, who shows "marked ability, exemplary industry, generous aspirations, and irreproachable character." If in the Junior class there chances to be no person fulfilling the requirements of this scholarship, the proceeds of the scholarship for that year must, under the proper direction, be appropriated to the purchase of books for the library of the University.

THE JOHN L. LINCOLN SCHOLARSHIP
of twenty-five hundred dollars, founded by Abby G. Beckwith.

THE TRUMAN BECKWITH SCHOLARSHIP
of twenty-five hundred dollars, founded by Abby G. Beckwith.

THE THAYER SCHOLARSHIP
founded by Edward C. Thayer, in honor of his father, Joseph Thayer, of the class of 1815, the income to be for the education of any young man or woman a resident of Uxbridge, Mass., endorsed by the selectmen and superintendent of schools there, needing pecuniary aid and giving promise by character and scholarship of a life of usefulness. If there is no applicant from Uxbridge, the income may go to any applicant from Massachusetts who fulfils the conditions.

THE TWO WALTER G. WEBSTER SCHOLARSHIPS
founded by the Rev. Walter G. Webster, of the class of 1878; the income

to go each year to two young men, members of the Freshman class, holding the full diploma of the Classical High School of the city of Providence and duly matriculated for the degree of Bachelor of Arts; "the nomination to rest with the Principal of said school, and to be made on the basis of character and scholarship, due regard being had to the need of such assistance."

THE S. W. MARSTON SCHOLARSHIP

founded in the name of his father by Mr. Edgar L. Marston of New York. This scholarship yields two hundred dollars a year, and is open to any graduate of William Jewell College who may be recommended by the President of that institution.

THE THREE E. L. MARSTON SCHOLARSHIPS

founded by Mr. Edgar L. Marston of New York. Each of these scholarships yields two hundred dollars a year. The first scholarship is open to any graduate of La Grange College who may be recommended by the President of that institution. The second is open to any graduate of Baylor University under similar conditions. The third is open to any graduate of the Central High School in St. Louis, Mo., subject to the recommendation of the Principal.

The following scholarships have been in part established:

THE TWO GEORGE HALE BACON MEMORIAL SCHOLARSHIPS

paying each recipient one hundred fifty dollars a year, founded by George A. Bacon in the name of his father. The awards are to be made only to young men in need of assistance and to be given solely on grounds of scholarship and personal character, no other consideration to receive any weight whatever.

AID FUNDS

These are two in number, and their income is divided into scholarships of varying amounts, which are awarded under the general conditions applicable to all scholarships. They are:

THE AID FUND, established by friends of the University in 1868, and now amounting to \$9,300;

THE DANIEL W. LYMAN FUND FOR STUDENTS, established by Daniel W. Lyman, and now amounting to \$72,250.

UNIVERSITY SCHOLARSHIPS

In addition to the income of the Scholarship and Aid Funds, the Advisory and Executive Committee of the Corporation appropriates each year a large sum of money from the Common Fund of the University for the assistance of students. This amount at present exceeds \$15,000, and is used for establishing University Scholarships, which are of three grades:

(1) A small number yielding each \$50 a term or \$150 a year, awarded to a few Juniors and Seniors of especially high scholarship.

(2) A number yielding each \$35 a term or \$105 a year.

(3) A number yielding each \$20 a term or \$60 a year, used in part to supplement the smaller endowed scholarships, and also for those students needing relatively less assistance.

The University Scholarships are taken directly from the University treasury and employ funds which would otherwise be available for other college purposes. It is expected, therefore, that the holders of them will regard them as in a certain sense a loan, and will at some subsequent time after graduation return to the treasury the amount awarded to be used for the increase of the permanent scholarship funds, or that they will in some other way contribute to the endowment of the University.

[C.] SERVICE

The University is able to give employment to a number of students as monitors, assistants in the libraries and laboratories, members of the choir, and clerks in the Registrar's office. Not more than two hours a day are ordinarily required of any student; the compensation is made at definite rates. At present about \$6,000 a year is appropriated for service, and employment is given to about eighty students, who receive amounts varying from \$20 to \$40 a term. The University also coöperates with the Young Men's Christian Association in efforts to secure employment for students from business houses and residents of the city.

PREMIUMS, PRIZES, AND HONORS†

FOR EXCELLENCE IN PREPARATORY STUDIES

THE PRESIDENT'S PREMIUMS

The President's Premiums, derived from the income of a fund presented to the University in 1843 by President Wayland, are awarded each year to those members of the Freshman class who upon special examination are found to have attained the highest excellence in the studies required for admission to the University in Greek, Latin, and French. First and Second Premiums are awarded in each of these studies. The examinations for the Premiums deal with the general principles and laws of the languages involved rather than with irregularities and exceptions. Special importance is attached

† The following premiums and prizes are intended for men. The students of the Women's College are entitled to compete in all examinations for premiums and prizes offered in Brown University. In case any woman is entitled to a first premium, a collateral prize is awarded by the Dean of the Women's College.

to the pupil's familiarity with the subject-matter of the works read, and to his ability to translate with accuracy and facility into clear, appropriate, and idiomatic English. The examination in Greek occurs on the second Saturday of the first term, that in Latin on the third Wednesday, and that in French on the fourth Wednesday. The award of these Premiums in 1905 was as follows :

In Greek, the First Premium to JOHN SEYMOUR SWEETLAND, instructed in the High School, Barrington.

The Second Premium in equal parts to ROBERT WILBUR BURGESS, instructed in Morgan Park Academy, Morgan Park, Ill., and DONALD GRAHAM CLARK, instructed in the High School, Portland, Me.

In Latin, the First Premium to ROBERT WILBUR BURGESS, instructed in Morgan Park Academy, Morgan Park, Ill.

A collateral First Premium for an examination of equal merit was awarded to FRANCES FOSTER, instructed in the Hope Street High School, Providence.

The Second Premium to DONALD GRAHAM CLARK, instructed in the High School, Portland, Me.

In French, the First Premium to DONALD NICOLSON, instructed in the High School, Newton, Mass.

The Second Premium in equal parts to HENRY BOYD SELLECK and CLIFFORD ALEXANDER STEWART, both instructed in the Classical High School, Providence.

THE HARTSHORN PREMIUMS

The Hartshorn Premiums, three in number, derived from the income of a fund of one thousand dollars, presented to the University in 1872 by Joseph Charles Hartshorn, of the class of 1841, are awarded to those members of the Freshman class who upon examination are found to excel in the mathematical studies required for admission. The examination occurs on the third Saturday of the first term. The award of these premiums in 1905 was as follows :

The First Premium to ROBERT WILBUR BURGESS, instructed in Morgan Park Academy, Morgan Park, Ill.

The Second Premium to ALBERT MOSES CRISTY, instructed in the Hope Street High School, Providence.

The Third Premium to SYDNEY WILNOT, instructed in the Hope Street High School, Providence.

FOR EXCELLENCE IN UNIVERSITY STUDIES

THE CARPENTER PRIZES FOR ELOCUTION

The Carpenter Prizes for Elocution, derived from the income of a fund established in 1867 by Thomas Carpenter, are awarded annually to the three members of the Sophomore class to whom are assigned, respectively, the first, the second, and the third rank of excellence in elocution. The selections declaimed may be either prose or verse. They must be approved by the Professor of

Public Speaking, with whom competitors must enter their names not later than the first day of February. A preliminary contest for the purpose of selecting the speakers takes place in the latter part of the winter term; all arrangements for it are in the hands of the Professor of Public Speaking. The committee of award consists of five members—the Professor of Public Speaking, who is the chairman, two persons selected by the Corporation, and two persons selected by the Sophomore class during the first term of the year; no one who is or has been a member of the class is eligible. The contest for 1906 will be held in Manning Hall on May 8. In 1905 these prizes were awarded as follows:

The First Prize to HARVEY McLEOD KELLEY

The Second Prize to JOHN FERGUSON, JR.

The Third Prize to JAMES MACPHERSON

THE HICKS PRIZES FOR EXCELLENCE IN DEBATE

The Hicks Prizes for Excellence in Debate, established by the Hon. Ratcliffe Hicks, of the class of 1864, are annually awarded as follows:

I. Two prizes of forty dollars each, one in each of the two series of contests for the selection of the representatives of the University in the inter-collegiate debates. In each instance the prize is given to the man showing the greatest ability both in the preliminary trials and in the final trial. In awarding the prize, regard is given to thought, style, and delivery. The judges are three, appointed by the Debating Union. In 1904-5 these prizes were awarded to

GEORGE GERSHON SHOR

GLENN WILLIAM WOODIN

II. A first prize of thirty dollars and a second prize of twenty dollars to the students showing the greatest ability in a public debate between the representatives of the Junior and Sophomore classes. Each class is represented by three men, whom a committee appointed by the President of the University chooses from the preliminary contestants at least a month before the public debate. This committee also determines the subject and makes the necessary arrangements. The judges in the public debate are three, one appointed by the President, and one by each group of competitors. The prizes are awarded irrespective of the decision upon the debate as a whole. The first prize may be withheld if no one is adjudged to deserve it. In making the award, regard is given to thought, style, and delivery. In 1906 the public debate will be held on May 22. In 1905 prizes were awarded as follows:

A First Prize to HARRY DUANE BRUCE

A Second Prize to RALPH NORTON DENNETT

A Second Prize to ALLEN WILBUR MANCHESTER

THE DUNN PREMIUM

The income of a fund of one thousand dollars, presented to the University in 1872 by pupils and friends of Professor Robinson Potter Dunn, is given, at the end of the Junior year, to the student having the highest standing in the

courses in rhetoric, English composition, and public speaking. In making the award, regard is given to the number of such courses taken as well as to the rank attained in them. In 1905 this premium was awarded to

GEORGE GERSHON SHOR

THE CARPENTER PREMIUMS

The Carpenter Premiums, two in number, are derived from the income of funds established in 1867, one by Thomas Carpenter and one by Lydia Carpenter. They are assigned at the end of the Senior year to the two members of the Senior class who, "already on scholarships, shall, in the judgment of the Faculty, unite in the highest degree the three most important elements of success in life—ability, character, and attainment." In 1905 these premiums were awarded to

FREDERICK EUGENE HAWKINS

GLENN WILLIAM WOODIN

THE HOWELL PREMIUM

The income of a fund amounting to one thousand dollars, presented to the University in 1867 by Gamaliel Lyman Dwight, is given at the close of the second term of the Senior year to the student who, "having a good record of deportment, has the highest rank in Mathematics and Natural Philosophy." To be considered a candidate for the Premium a student must, each term from the Freshman year to the end of the second term in the Senior year, take at least one of the elective courses in Pure or Applied Mathematics. In 1905 this premium was awarded to

ARTHUR ROBERT BROWN

THE CLASS OF 1873 PRIZE

A fund of one thousand dollars, completed in 1898, has been presented to the University by the class of 1873, on the condition that its income shall be used as a prize for an essay. The prize is annually offered for competition to members of the Senior class, the subject assigned being of a historical nature one year and of a philosophical nature the next. The subjects are assigned by the respective departments. For 1904-5 the subject was: "Conscience, its Origin, Development, and Significance." For 1905-6 there has been assigned a historical subject: "The History of the Boundaries of Rhode Island." In 1905 the prize was awarded to

WILLIAM GRANVILLE MEADER

A collateral prize was awarded to

ETHEL TREMAINE ROBINSON

THE FOSTER PREMIUM IN GREEK

The Foster Premium in Greek is derived from the income of a fund of three thousand dollars bequeathed to the University in 1880 by the Honorable Lafayette Sabine Foster, LL.D., of the class of 1828. In accordance with the terms of the donor's will, the income of this fund is to be "annually paid to

that scholar of the institution who passes the best examination in the Greek language, the examination to be made in the first, third, and twenty-fourth books of Homer's *Iliad*, or in the *Oration on the Crown* by Demosthenes." The next examination, open to the members of the Senior class, will be held early in May, 1906; candidates will be examined in the *Iliad*. In 1905 this premium was awarded to

ROY TOWNE

A collateral premium was awarded to

JOSEPHINE STEDMAN ARMSTRONG

THE LUCIUS LYON PREMIUMS IN LATIN

The Lucius Lyon Premiums in Latin are derived from the income of a fund of five thousand dollars presented to the University in 1893 by Mrs. Caroline L. Lyon, in memory of her husband, Lucius Lyon, of the class of 1844. Five-tenths of the income each year forms the first premium, three-tenths the second, and two-tenths the third. Any part of the income not needed in any given year must be added to the fund. The premiums are awarded as the result of a special examination held during the last term of the Senior year. The examination may relate to any or all of the following subjects: the Latin language, Roman literature, Roman history. The President of the University and the head of the Latin department prescribe the conditions for admission to the examination. In 1905 a first premium was awarded to

ROY TOWNE

A collateral premium was awarded to

JOSEPHINE STEDMAN ARMSTRONG

THE BENNETT PRIZE

The income of a fund of four hundred dollars, established by Philo S. Bennett in 1905, will be awarded annually for an essay on Free Government. The conditions governing the competition will be announced later.

THE CLASS OF 1880 PRIZES

The Class of 1880 Prizes, established in 1905 by the Class of 1880, are annually awarded to the Undergraduates of Brown University who show the most ability in presenting arguments on some current question of importance to Brown University. The subject for discussion, the time, and the manner of presentation are all determined by representatives of the English department in consultation with the President of the Debating Union and the editors-in-chief of the *Brunonian* and the *Brown Daily Herald*. The prizes are awarded by a board of five judges: two are appointed by the President of the University, two by the Undergraduate members of the committee in charge; the fifth is a member of the English department.

In 1906 a first prize of fifty dollars and a second prize of twenty-five dollars will be awarded to the students who show the most ability in a public discussion of the topic chosen. This discussion will be held on February 6. A prize

of twenty-five dollars will be awarded to the writer of the best argumentative essay of from three thousand to five thousand words upon the same subject. These essays, typewritten and signed with an assumed name, must be in the hands of the Registrar before 4 p. m., January 22. The prize for the essay may be withheld if no essay is deemed worthy. A student may compete for both prizes. For 1906 the subject chosen is: "Has the game of football as it has been played since 1900 been detrimental to the best interests of American colleges?"

THE MOHONK PRIZES

For 1905-6 Governor George H. Utter offers three prizes, to be known as the Mohonk Prizes. They are:

I. A prize of thirty dollars for an essay of from three to five thousand words upon the subject, "Arbitration as a practicable method for the adjustment of international controversies;"

II. A first prize of forty dollars and a second prize of thirty dollars to be awarded upon a debate on the same topic.

The competition is open to members of the Senior and Junior classes. A student may compete for both prizes. Essays must be typewritten and signed with an assumed name; they must be handed to the Registrar on or before April 10, 1906. The trial debate will occur on April 17, 1906; the final debate on April 24, 1906.

THE WILLIAM GASTON SCHOLARSHIP

This fund of five thousand dollars was established in 1899 by the widow and children of the Honorable William Gaston, LL.D., of the class of 1840. Its income is awarded annually by the Faculty upon absolute merit, without reference to financial condition. For 1905-6 this scholarship has been awarded to

HORACE EDWARD CHANDLER

THE GASTON PRIZE MEDAL FOR EXCELLENCE IN ORATORY

From the income of a fund of three thousand dollars established in 1894 as a memorial to the Honorable William Gaston, LL.D., of the class of 1840, a gold medal is annually awarded to the member of the graduating class who delivers the best original oration in English. The orations are not to exceed fifteen hundred words. In order to compete for the prize a student must deposit with the Registrar a typewritten copy of his oration, signed with an assumed name, one month before the public competition. From these orations a committee appointed by the President of the University selects not more than six for delivery. The committee of award in the final contest consists of three members appointed by the President. In making the award regard is given to thought, style, and delivery. The winner of the medal is entitled to deliver an oration at Commencement. The competition in 1906 will be held on May 15. In 1905 this prize was awarded to

HOWARD RAYMOND HEYDON

APPOINTMENTS FOR COMMENCEMENT

At every commencement five members of the graduating class deliver original orations in English of not more than fifteen hundred words each. One speaker is the winner of the Gaston medal; the other four are selected by the Faculty from nominations by the heads of departments. The basis of selection is scholarship, ability to write, and ability to speak. The students thus appointed confer with the Professor of Rhetoric, who advises with them in regard to the choice and treatment of subjects, and with the Professor of Public Speaking, who trains them in the delivery of their orations. Before Commencement each speaker must hand to the Professor of Rhetoric a copy of his oration for preservation in the University Library. In 1905 the speakers appointed were:

LEONARD WOLSEY CRONKHITE
WILLIAM ALFRED READ

WILLIAM ARNOLD SPICER, JR.
GLENN WILLIAM WOODIN

TERM HONORS

Term Honors in any department are awarded to those who receive the mark H in a given term.

FINAL HONORS

Final Honors in any department are awarded at the completion of the studies leading to a bachelor's degree to those who have secured: (1) Term Honors in the department in courses aggregating eighteen or more term hours; (2) a mark of C or H in eighty-five per cent. of all their courses of study. In any department, however, certain specified courses may not be included in those counted for Final Honors. The names of all students awarded Final Honors are printed in the Commencement Program and in the Annual Catalogue. In 1905 Final Honors were awarded to members of the Senior Class as follows:

GEORGE DEACON ALLISON, *Mathematics*.

RAYMOND DAVIS CADY, *Chemistry*.

WILLIAM HENRY CAMFIELD, *Philosophy*.

JUDSON ADAMS CRANE, *Mathematics*.

LEONARD WOLSEY CRONKHITE, *English Literature and Language, Philosophy*.

ALBERT AVERILL DOWD, *Germanic Languages and Literatures*.

RICHARD THOMAS GARLAND, *Germanic Languages and Literatures, Music*.

FREDERICK EUGENE HAWKINS, *Germanic Languages and Literatures, Greek Literature and History, Romance Languages and Literatures*.

ROBERT IRVING JAMIESON, *Music, Roman Literature and History, Germanic Languages and Literatures*.

IRVING LANOUILLE PRICE, *English Literature and Language, Romance Languages and Literatures*.

WILLIAM ALFRED READ, *Germanic Languages and Literatures, Mathematics, Romance Languages and Literatures, Education*.

HARVEY JULIAN SWANN, *Germanic Languages and Literatures, Romance Languages and Literatures.*

GLENN WILLIAM WOODIN, *History, Social and Political Science, and Political Economy.*

JOSEPHINE STEDMAN ARMSTRONG, *Education, Greek Literature and History, Roman Literature and History.*

MARION HAMILTON BONN, *Germanic Languages and Literatures.*

BERTHA LOUISE CLARK, *English Literature and Language.*

LOUISA ROBERTS HOLT, *Germanic Languages and Literatures, Romance Languages and Literatures.*

ROBERTA ALICE HORTON, *Germanic Languages and Literatures, Mathematics.*

ALICE HOWARD MANCHESTER, *Germanic Languages and Literatures.*

ALICE WHITALL TRAVER, *Germanic Languages and Literatures, Romance Languages and Literatures.*

CORA HORTON WHITTAKER, *Education, Roman Literature and History, Romance Languages and Literatures.*

DEGREES CONFERRED IN 1905

DEGREES IN COURSE

BACHELOR OF ARTS

William Horton Albrecht
Charles Zaslavsky Alexander
Walter Howard Barney
Samuel Teel Bartlett
Leroy Franklin Bliss
Allyn Larrabee Brown
Bertram Clyde Bugbee
Raymond Davis Cady
William Henry Camfield
Godfrey Igino Cardellicchio
Judson Adams Crane
Earle Bennett Cross
Lewis Porter Damon
Albert Averill Dowd
William Clark Drohan
John Pierce Filson
Richard Thomas Garland
George Adam Gessner
Philip Trayne Gleason

Cardinal Leonidas Goodwin
Stephen Earle Gratrix
Martin Stuart Hall
Edward Everett Harkness
Frederick Eugene Hawkins
Charles Alfred Hobbs
Benjamin Holland, Jr.
Colgate Hoyt, Jr.
Lucien Stevens Hyde
Robert Irving Jamieson
Oliver Saunders Jennings
Ralph Gerhardt Johnson
Ralph Darling Kettner
Charles Harvey Kingman
Ernest Farnum Lewis
John Henry McGough, Jr.
Edward Francis McKenna
George Rupert MacMinn
John Christopher Mahoney

Arthur Carroll Maxfield
 Arthur Palmer May
 William Granville Meader
 Charles Stuart Mitchell
 Harold Charles Newton
 William Alfred Read
 Arthur Henry Robinson
 Charles Edwin Robinson
 Charles Lorimer Robinson
 Charles Frederic Savage, *With*
the Class of 1904
 Charles Henry Seddon

John Jay Staley
 Howland Sherman Stedman
 Harvey Julian Swann
 John Harrison Thompson
 Roy Towne
 Rodney Charles Walker
 Chester Campbell Waters
 Lester Allen Wells
 Niles Westcott
 Basil Boise Wood
 Glenn William Woodin
 Ralph Benjamin Woodsum

Josephine Stedman Armstrong
 Bernice Thornton Banning
 Isabel Marion Brownson
 Sarah Kempton Cady
 Letitia Mabel Cahoon
 Frances Ross Cameron
 Eliza Jennetta Delaney
 Florence Ellsworth Doane
 Mary Louise Gay
 Marion Brooks Gould
 Bessie Maura Henahan
 Louisa Roberts Holt

Lulu Broadbent Joslin
 Harriet Gertrude Lane
 Marie Louise Laviolette
 Bessie Madeleine Leahy
 Alice Howard Manchester
 Susan Annie May
 Sarah Gridley Ross
 Lulu Winifred Simpson
 Louise Whitecher
 Cora Horton Whittaker
 Inez Kelley Whittemore

BACHELOR OF PHILOSOPHY

Frank Taylor Albro
 George Deacon Allison
 Harrington Tillinghast Anthony
 Harold Greene Arnold
 Joseph Chester Bailey
 Samuel Newhall Baker
 Edgar Augustine Beatty
 Frederick Calvin Broomhead
 Earl Whitney Browning
 George Burroughs Bullock
 Frederick Webster Cook
 Frank Starr Cooke
 Michael Francis Costello, Jr.
 Leonard Wolsey Cronkhite
 Herbert Franklin Davison
 Paul Churchill Dewolf
 Charles William Ehmke

Fred Haywood Freeman
 Jesse Madison Gathany
 Samuel Carlisle Goodrich
 Edwin Sykes Goodwin
 Chester Carr Greene
 Philip Adams Hanson
 Harry Spear Harding
 Theodore Conrad Hascall
 William Chace Hascall
 John Joseph Healey
 William Raymond Hickman
 Clarence Warren Holmes
 Edgar Arnold Hopkins, Jr.
 Arthur Allison Howard
 Frank Gilbert Howard
 Frank Clifton Hulse
 Newton Peck Hutchison

Alfred Wesley Ingalls
 Leon Munn Kendall
 William John Lamkie
 Frank Nesler Mandeville
 Frank Eliot Marble
 Philip Nanes
 Charles Lemuel Osler. *With the
 Class of 1903*
 Sangkyu Pak
 Arthur Niles Potter
 Willard Leslie Pratt
 Irving Lanouette Price

Frederick Schwinn
 Francis Hervev Smith
 William Arnold Spicer, Jr.
 Arthur Swain Townsend
 Archie Roy Webb
 Thomas McAlpine Webb
 Charles Albert Weeks
 Paul Weiss
 Thomas Albert Welch
 Herbert Comstock Wells
 Carlton Grieves White
 Joe Selman Willis

Mary Elizabeth Bannan
 Marion Hamilton Bonn
 Edith Anne Brown
 Bertha Augusta Buffinton
 Harriet Louise Campbell
 Millie Diamond Church
 Bertha Louise Clark
 Clara Louise Cooke
 Olive Bowers Eddy

Alida May Green
 Roberta Alice Horton
 Alice Josephine Macomber
 Marion Midgley
 Elizabeth Perry
 Jennie May Perry
 Ethel Tremaine Robinson
 Alice Whitall Traver

CIVIL ENGINEER

Arthur Robert Brown
 Ray Palmer Hovey
 Albert Charles Richards

Smith Oliver Steere
 Earl Vanderbilt

MECHANICAL ENGINEER

Frank Arthur Burr
 DeWitt Carl Eggleston
 James Roy Foulder

Harry Hiram Hinds
 Jacob Cooper Millard

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

James Henry Connolly
 Charles Henry Douglass

Augustus Noble Stonegrave

MASTER OF ARTS

Austin Ketcham Allen, A.B.
 James Hope Arthur, Ph.B.
 Frederick Elias Bragdon, A.B.
 Moritz Braun, A.B.
 William Hamlin Cady, A.B.
 Arthur Deering Call, Ph.B.

Ernest Palmer Carr, A.B.
 Agnes Elizabeth Clark, A.B.
 Paul Franklin Clark, Ph.B.
 Guy Blandin Colburn, A.B.
 Vincil Carey Coulter, A.B.
 Herbert Franklin Davison

Walter William Deckard, A.B., D.B.	Herbert Alden Kenyon, A.B.
Richard Owen Dummer, Ph.B.	Charles Franklin Martin, A.B.
George Wilbur Eddy, A.B.	Jacob Alexander Mattuck, Ph.B.
Maudie Farnum, Ph.B.	Ernest Victor Page, A.B.
Louis Edward Feingold, Ph.B.	Agide Pirazzini, A.B., D.B.
Herbert Augustine Freeman, A.B.	Walter Everett Prince, Ph.B.
Elbert Kirtley Fretwell, A.M.	Lillie Leonaretta Scholfield, A.B.
Harriet Peirce Fuller, A.B.	Carrie Etta Small, A.B.
Harmon Henry Gnuse, A.B.	Harry Smalley, Ph.B.
Howard Farman Hart, A.B.	Edith Marion Tillinghast, Ph.B.
William Thomson Hastings, A.B.	Henry Carroll Tracy, A.B.
Helen Elizabeth Hersey, Ph.B.	Helen Bowen Waterman, A.B.
Lenora Hill, Ph.B.	Niles Westcott

MASTER OF SCIENCE

Warren Almon Clough, M.E.

George Barrows Obear, Sc.B.

DOCTOR OF PHILOSOPHY

Norman Armin Dubois, A.M.

THESIS: "Some Condensation Products of 1, Phenyl-Naphthalene, 2, 3, Dicarboxylic-Anhydride."

Arthur Eugene Watson, A.M.

THESIS: "An Investigation into the Source of the Condensation-Nuclei produced by the Action of X-Rays in Dust-Free Air."

DEGREES OUT OF COURSE

BACHELOR OF PHILOSOPHY

John Brown Francis Herreshoff. *With the Class of 1869*

HONORARY DEGREES

MASTER OF ARTS

CHAMPLIN BURRAGE

DOCTOR OF DIVINITY

WILLIAM ASHMORE

GIBBS BRAISLIN

DOCTOR OF LETTERS

GEORGE ALDER BLUMER

EDMUND JAMES CARPENTER

DOCTOR OF SCIENCE

HERMON CAREY BUMPUS

STUDENTS

GRADUATES

- Josephine Stedman Armstrong *Pawtucket*
A.B. (*Brown University*) 1905. Education, Latin. Enrolled candidate for A.M.
- Edgar Louis Ashley *Forboro, Mass.*
A.B. (*Brown University*) 1903; A.M. 1904. Instructor in German. German, English. Registered candidate for Ph.D.
- Willard Barber Atwell *Hebronville, Mass.*
Ph.B. (*Brown University*) 1903. Education, History. Registered candidate for A.M. *in absentia*
- Vahan Simon Babasinian *Samsoun, Turkey*
A.B. (*Anatolia College*) 1895; D.B. (*Hartford Theological Seminary*) 1900; A.M. (*Brown University*) 1903. Chemistry, Comparative Anatomy. Instructor in Chemistry. Enrolled candidate for Ph.D.
- William John Ballou *Hudson, N. H.*
A.B. (*Brown University*) 1897; D.B. (*Hartford Theological Seminary*) 1900. Social and Political Science. Enrolled candidate for A.M. *in absentia*.
- Lewis Birch Battey *Fall River, Mass.*
Sc.B. (*Columbia University*) 1904. Mechanical Engineering.
- Irving Judson Beckwith *Rochester, N. Y.*
A.B. (*Brown University*) 1904. Social and Political Science, Biblical Literature. Enrolled candidate for A.M. *in absentia*.
- Florence Butler Beitenman *Mt. Penn, Berks Co., Pa.*
Ph.B. (*Brown University*) 1904. Education, Latin, German. Enrolled candidate for A.M.
- Marion Hamilton Bonn *Providence*
Ph.B. (*Brown University*) 1905. Education. Registered candidate for A.M.
- Elsie Straffin Bronson *Providence*
A.B. (*Brown University*) 1904; A.M. 1904. Mathematics, Art.
- Edith Anne Brown *Taunton, Mass.*
Ph.B. (*Brown University*) 1905. Education. Registered candidate for A.M.
- Reginald Langdon Brown *Phenix*
A.B. (*Brown University*) 1903; A.M. 1904. English, Philosophy.
- Clarence Van Reynegom Bumsted *Philadelphia, Pa.*
Ph.B. (*Brown University*) 1903. European History. Enrolled candidate for A.M. *in absentia*.
- Frank Arthur Burr *Seekonk, Mass.*
M.E. (*Brown University*) 1905. Physics, Mathematics, History. Assistant in Mechanical Drawing. Registered candidate for Sc.M.
- Raymond Davis Cady *Providence*
A.B. (*Brown University*) 1905. Chemistry. Assistant in Chemistry. Enrolled candidate for Sc.M.
- Millie Dimond Church *Bristol*
Ph.B. (*Brown University*) 1905. Education. Registered candidate for A.M.
- Paul Franklin Clark *Portland, Me.*
Ph.B. (*Brown University*) 1904; A.M. 1905. Comparative Anatomy, Chemistry, Social Science. Registered candidate for Ph.D.

- Guy Blandin Colburn *Nashua, N. H.*
A.B. (*Brown University*) 1904; A.M. 1905. Latin, Greek. Instructor in Greek. Enrolled candidate for Ph.D.
- Earle Bennett Cross *Providence*
A.B. (*Brown University*) 1905. Social Science, Biblical Literature. Enrolled candidate for A.M.
- Mary Wilson Cross *Providence*
A.B. (*Vassar College*) 1903; A.M. 1905. Education.
- James Robert Crouch *Asherville, N. C.*
Sc.B. (*South Carolina Military Academy*) 1899. History, Political and Social Science. Registered candidate for A.M. *in absentia*.
- Clinton Harvey Currier *Manchester, N. H.*
Ph.B. (*Brown University*) 1898; A.M. 1899. Mathematics, Astronomy. Instructor in Mathematics. Registered candidate for Ph.D.
- Walter William Deckard *Arlington*
A.B. and D.B. (*Hillsdale College*) 1899; Sc.B. (*Rio Grande College*) 1893. Political and Social Science, Philosophy, Hebrew. Registered candidate for Ph.D.
- Dana Fletcher Downing *Boston, Mass.*
A.B. (*Brown University*) 1900; M.D. (*Boston University School of Medicine*) 1904. Social Science, English Literature. Enrolled candidate for A.M. *in absentia*.
- Richard Owen Dummer *Weld, Me.*
Ph.B. (*Brown University*) 1904; A.M. 1905. Chemistry, Physics. Assistant in Chemistry. Registered candidate for Ph.D.
- Olive Bowers Eddy *Providence*
Ph.B. (*Brown University*) 1905. English, Botany. Registered candidate for A.M.
- Frank Henry Ehmke *Silver Creek, N. Y.*
A.B. (*Brown University*) 1903. Philosophy, Romance Languages. Enrolled candidate for A.M.
- Victor Emmanuel Emmel *Sherwood, Oregon*
Sc.B. (*Pacific University*) 1903; Sc.M. 1904. Comparative Anatomy, Philosophy. Registered candidate for Ph.D.
- Henry Englander *Cincinnati, O.*
A.B. (*Cincinnati University*) 1901. Biblical Literature. Enrolled candidate for A.M.
- Maude Farnum *Providence*
Ph.B. (*Brown University*) 1903; A.M. 1905. History.
- Charles Israel Gates *Westerly*
A.B. (*Brown University*) 1899. American History, English, Education. Enrolled candidate for A.M. *in absentia*.
- Mary Louise Gay *Attleboro, Mass.*
A.B. (*Brown University*) 1905. Education. Registered candidate for A.M.
- Jesse Madison Gathany *Hallstead, Pa.*
Ph.B. (*Brown University*) 1905. Education, History. Enrolled candidate for A.M.
- Clifford Moore Granger *Feeding Hills, Mass.*
A.B. (*Brown University*) 1904. History, Latin, French. Enrolled candidate for A.M.
- Philip Bardwell Hadley *Shelburne Falls, Mass.*
Ph.B. (*Brown University*) 1903. Comparative Anatomy. Registered candidate for Ph.D.
- Sarah Newton Hallett *Providence*
A.B. (*Brown University*) 1901. History, Philosophy, Latin. Enrolled candidate for A.M.
- Thomas Philip Hammer *Philadelphia, Pa.*
Sc.B. (*University of Pennsylvania*) 1904. Political Economy, Social Science, History. Registered candidate for A.M. *in absentia*.

- William Albion Hart *South Dartmouth, Mass.*
A.B. (*Brown University*) 1903. English, Education. Registered candidate for A.M. in *absentia*.
- Frederick Eugene Hawkins *Providence*
A.B. (*Brown University*) 1905. Education, German. Enrolled candidate for A.M.
- Frederick Charles Hicks *Newport*
Ph.B. (*Colgate University*) 1898. LL.B. (*Georgetown Law School*) 1901. Political Science, History. Registered candidate for A.M. in *absentia*.
- Rufus Erasmus Holder *Louisville, Ky.*
A.M. (*Bethel College*) 1896. Th.M. (*Southern Baptist Seminary*) 1901. Philosophy, Biblical Literature. Registered candidate for Ph.D.
- Louisa Roberts Holt *Pawtucket*
A.B. (*Brown University*) 1905. Education, German. Enrolled candidate for A.M.
- Roberta Alice Horton *Pawtucket*
Ph.B. (*Brown University*) 1905. Education, German, Mathematics. Enrolled candidate for A.M.
- John Chester Hyde *Newport*
A.B. (*University of Pennsylvania*) 1886 ; A.M. 1889. English, Education.
- Grace June Jones *Philadelphia, Pa.*
Ph.B. (*Brown University*) 1901. Education, German, English. Enrolled candidate for A.M.
- Lulu Broadbent Joslin *Attleboro, Mass.*
A.B. (*Brown University*) 1905. Physics, Education, French. Enrolled candidate for A.M.
- Leon Munn Kendall *Fairlee, Vt.*
Ph.B. (*Brown University*) 1905. Education, Astronomy, Physics. Registered candidate for A.M.
- George Franklin Krause *Lebanon, Pa.*
History, English. Enrolled candidate for A.M.
- Frank Edwin Lakey *Providence*
A.B. (*Brown University*) 1894 ; A.M. 1900. Political and Social Science. Registered candidate for Ph.D.
- James Bernard McFadden *Pawtucket*
A.B. (*Bates College*) 1893. Social Science, Education. Registered candidate for A.M.
- George Rupert MacMinn *Pottstown, Pa.*
A.B. (*Brown University*) 1905. Assistant in English. English, Social Science. Enrolled candidate for A.M.
- Minnie Catherine Mahy *Providence*
A.B. (*Brown University*) 1900 ; A.M. (*Nebraska University*) 1901. English. Registered candidate for Ph.D.
- Jacob Alexander Mattuck *Worcester, Mass.*
Ph.B. (*Brown University*) 1904 ; A.M. 1905. Sociology. Registered candidate for Ph.D.
- Susan Annie May *Gould, R. I.*
A.B. (*Brown University*) 1905. English, History, Philosophy. Enrolled candidate for A.M.
- Charles Stuart Mitchell *Millville, N. J.*
A.B. (*Brown University*) 1905. Assistant in English. English. Enrolled candidate for A.M.
- Henri Albert Morgan *Norwich, Ct.*
A.B. (*Williams College*) 1904. Comparative Anatomy. Enrolled candidate for A.M.
- Norman Allen Moss *Cambridge, Mass.*
A.B. (*Brown University*) 1900. Education, English. Enrolled candidate for A.M. in *absentia*.

- Emily Gardner Munro *Bristol*
Ph.B. (*Brown University*) 1898. Social Science, English. Registered candidate for A.M.
- Harold Charles Newton *Athol, Mass.*
A.B. (*Brown University*) 1905. Education, History, Political Science. Enrolled candidate for A.M.
- Clarence Elnathan Norris *Worcester, Mass.*
A.B. (*Brown University*) 1900; A.M. 1902. Instructor in German. English, German. Registered candidate for Ph.D.
- George Barrows Obear *Lynn, Mass.*
Sc.B. (*Massachusetts Institute of Technology*) 1903; Sc.M. (*Brown University*) 1905. Physics, Mathematics. Registered candidate for Ph.D.
- John Howard O'Keefe *Taunton, Mass.*
History, Philosophy, Political Economy. Enrolled candidate for A.M.
- Henry Robinson Palmer *Stonington, Conn.*
A.B. (*Brown University*) 1890. History of Art, Political Science. Registered candidate for A.M.
- Herbert John Piper *Providence*
A.B. (*Bates College*) 1890; D.B. 1900. English. Registered candidate for A.M.
- Thomas Edmond Burt Pope *Washington, D. C.*
Ph.B. (*Brown University*) 1902. Comparative Anatomy. Enrolled candidate for A.M. *in absentia*.
- Mary Florence Rafter *Damariscotta, Me.*
A.B. (*Brown University*) 1901. English. Registered candidate for A.M.
- Jared Harvey Randall *Rangoon, Burma*
A.B. (*Brown University*) 1897; A.M. 1900. History, English. Enrolled candidate for Ph.D.
- William Alfred Read *So. Hanson, Mass.*
A.B. (*Brown University*) 1905. Education. Enrolled candidate for A.M.
- Louis Albert Reese *Topeka, Kans.*
Ph.B. (*Ottawa University*) 1900; A.M. (*Brown University*) 1902. History, Economics. Enrolled candidate for Ph.D.
- Eda May Round *Providence*
Ph.E. (*Brown University*) 1897; A.M. 1899. Comparative Anatomy.
- Louis Earl Rowe *Shawomet Beach*
Ph.B. (*Brown University*) 1904. Education, History, History of Art. Enrolled candidate for A.M.
- Philip Darrell Sherman *Delaware, O.*
A.B. (*Brown University*) 1902; A.M. 1903. English, German. Enrolled candidate for Ph.D.
- George Herbert Sherwood *New Rochelle, N. Y.*
A.B. (*Brown University*) 1898; A.M. 1899. Comparative Anatomy, Physiology. Registered candidate for Ph.D.
- Lester Burrell Shippee *Hightstown, N. J.*
A.B. (*Brown University*) 1903; A.M. 1904. German, English Literature. Registered candidate for Ph.D.
- Marion Lydia Shorey *Albion, Me.*
Ph.B. (*Brown University*) 1904. Instructor in Physiology and Household Economics in the Women's College. Comparative Anatomy, Chemistry. Enrolled candidate for A.M.
- Francis Hervey Smith *Hillsboro Bridge, N. H.*
Ph.B. (*Brown University*) 1905. Chemistry, Physics, Mechanical Drawing. Enrolled candidate for Sc.M.

- Lura May Thomas *Attleboro, Mass.*
A.B. (*Brown University*) 1901. Latin. Registered candidate for A.M.
- Floy Lillian Thompson *Republic, Kans.*
Ph.B. (*Ottawa University*) 1904. English, Philosophy, History. Enrolled candidate for A.M.
- Charles Edward Tilley *Providence*
A.B. (*Amherst College*) 1892; A.M. 1895. Education.
- Henry Carroll Tracy *Lowell, Mass.*
A.B. (*Dartmouth College*) 1902; A.M. (*Brown University*) 1904. Comparative Anatomy Chemistry. Registered candidate for Ph.D.
- Frank Arthur Updyke *Delavan, Wis.*
A.B. (*Brown University*) 1893; A.M. 1896. Political Science, History, Political Economy. Registered candidate for Ph.D.
- Bessie Clarinda Verder *Rutland, Vt.*
Sc.B. (*Middlebury College*) 1898. Education, Chemistry. Enrolled candidate for A.M.
- Bessie Sarah Warner *Providence*
A.B. (*Smith College*) 1895; A.M. (*Brown University*) 1903. English.
- Chester Campbell Waters *Providence*
A.B. (*Brown University*) 1905. Political and Social Science, Political Economy. Enrolled candidate for A.M.
- Louise Whitcher *Providence*
A.B. (*Brown University*) 1905. Education. Registered candidate for A.M.
- Clara Whitehead *Providence*
A.B. (*Brown University*) 1897. English. Registered candidate for A.M.
- Cora Horton Whittaker *Rehoboth, Mass.*
A.B. (*Brown University*) 1905. Education. Enrolled candidate for A.M.
- Inez Kelley Whittemore *Providence*
A.B. (*Brown University*) 1905. Education, Latin. Enrolled candidate for A.M.
- Alice Wilson Wilcox *Providence*
A.B. (*Vassar College*) 1894. Comparative Anatomy, Physiology. Enrolled candidate for Ph.D.
- Jessie Wilson *Rumford*
Ph.B. (*Brown University*) 1898; A.M. 1899. History, Political Economy. Registered candidate for Ph.D.
- Arthur Melvin Winslow *Providence*
Ph.B. (*Brown University*) 1903. Civil Engineering.
- Basil Boise Wood *Newton Centre, Mass.*
A.B. (*Brown University*) 1905. Philosophy, History of Art. Enrolled candidate for A.M.

SENIORS: CLASS OF 1906

NAME	RESIDENCE
Walter Herbert Angell	<i>Pawtuxet</i>
George Edward Bailey	<i>Winchendon, Mass.</i>
Frederick Eugene Banfield, Jr.	<i>Newton Centre, Mass.</i>
Harris Merrill Barbour	<i>Wollaston, Mass.</i>
Albert Francis Bassford	<i>Norristown, Pa.</i>
Sidney Raymond Bellows	<i>Shawomet Beach</i>
Charles Barrows Bennett	<i>Providence</i>
Reinhart William Berthold	<i>Webster, Mass.</i>

NAME	RESIDENCE
Halbert Ambrose Bolt	<i>Cannonsville, N. Y.</i>
Howard Wheaton Brayton	<i>Providence</i>
John Henry Breslin	<i>Revere, Mass.</i>
Walter Albert Briggs	<i>Attleboro, Mass.</i>
Edgar Sheffield Brightman	<i>Newport</i>
Aylsworth Brown	<i>Providence</i>
Ray Brown	<i>Wollaston, Mass.</i>
Leslie Goddard Buck	<i>Cavendish, Vt.</i>
Raymond Gilbert Bugbee	<i>North Attleboro, Mass.</i>
Alexander Manlius Burgess	<i>Portland, Me.</i>
Hayward Murray Butler	<i>Providence</i>
Henry Godfrey Carpenter	<i>East Providence</i>
Walter Clayton Carpenter	<i>Portsmouth</i>
Horace Edward Chandler	<i>Scranton, Pa.</i>
Charles Raymond Chappell	<i>New London, Ct.</i>
Peter Pineo Chase	<i>Hyannis, Mass.</i>
Frank Hammett Childs	<i>New Bedford, Mass.</i>
Albert Whitman Claflin	<i>Providence</i>
John Maurice Clifford	<i>Providence</i>
Howard Wilbur Congdon	<i>Providence</i>
Jason Osborne Cook	<i>Rumney Depot, N. H.</i>
Gerald Arthur Cooper	<i>Providence</i>
George Bartlett Corcoran	<i>West Springfield, Mass.</i>
Herbert Ellsworth Cory	<i>Providence</i>
Frederick Simms Cushing	<i>Taunton, Mass.</i>
Jared Williams Davis	<i>Cedar Rapids, Ia.</i>
Louis Irving Dexter	<i>Valley Falls</i>
Maurice Louis Dolt	<i>Dollon, Sarthe, France</i>
Arthur Francis Driscoll	<i>North Brookfield, Mass.</i>
Lester Leopold Falk	<i>Chicago, Ill.</i>
John Ferguson, Jr.	<i>Westerly</i>
John Morton Ferrier	<i>Providence</i>
Robert Franklin Field	<i>Providence</i>
Arthur Leonard Flagg	<i>Woonsocket</i>
John Ellsworth Flemming	<i>Chester, Pa.</i>
Arthur Garfield Fowler	<i>Woonsocket</i>
Lucian Deane Fuller	<i>Plaistow, N. H.</i>
Leon Stearns Gay	<i>Cavendish, Vt.</i>
Daniel Edward Geary	<i>Providence</i>
Phillips Standish Gilman	<i>Worcester, Mass.</i>
Theodore William Gordon	<i>East Providence</i>
Alexander Graham	<i>Somerville, Mass.</i>
Francis Ingraham Greene	<i>Newport</i>

SENIORS: CLASS OF 1906

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NAME	RESIDENCE
James Hamilton, Jr.	<i>Howard</i>
Edward Everett Harkness, A.B.	<i>Gardner, Mass.</i>
Joseph Leo Harson	<i>Providence</i>
Harry French Hatch	<i>St. Albans, Vt.</i>
Chester LeRoy Hayward	<i>Temple, N. H.</i>
William Read Hersey	<i>Providence</i>
Prescott Tillinghast Hill	<i>Providence</i>
George Augustine Hines	<i>Oak Lawn</i>
Henry Ramsden Hobson	<i>Providence</i>
Vincent Charles Hoye	<i>Taunton, Mass.</i>
Charles Spencer Huff	<i>Milford, N. J.</i>
Homer Elijah Hunt	<i>Fairfax, Vt.</i>
Henry Greene Jackson	<i>Providence</i>
Harold Wells James	<i>Providence</i>
John William James	<i>Detroit, Mich.</i>
Charles Henry Jones, Jr.	<i>Wareham, Mass.</i>
Edwin Ahira Kelley	<i>Fairhaven, Mass.</i>
William Arthur Kennedy	<i>Providence</i>
Arthur Caswell King	<i>Taunton, Mass.</i>
Harry Knowles	<i>Wakefield</i>
George Franklin Krause	<i>Lebanon, Va.</i>
Robert Lee Latimer	<i>Montville, Ct.</i>
William Russell Lightbody	<i>Manchester, N. H.</i>
William LeRoy Lillie	<i>Lebanon, Ct.</i>
Albert John Loepsinger	<i>Providence</i>
Leverett James Luce	<i>Suffield, Ct.</i>
Edwin Herbert Lyle	<i>New York, N. Y.</i>
Frank David McIntyre	<i>Waldo, Wis.</i>
Allen Wilbur Manchester	<i>Bristol, Ct.</i>
Robert Alvin Marble	<i>Worcester, Mass.</i>
Philip Victor Marcus	<i>Providence</i>
Paul Matteson	<i>Providence</i>
John Perkins Mead	<i>East Jaffrey, N. H.</i>
Charles Douglas Mercer	<i>Providence</i>
Ernest Ephraim Moore	<i>Plymouth, Vt.</i>
Wesley Floyd Morse	<i>Keene, N. H.</i>
Preston Sumner Moulton	<i>Providence</i>
Lanning Myers	<i>Alloway, N. J.</i>
Elmer Douglas Nickerson	<i>Providence</i>
Carl Nathaniel Nutter	<i>Pittsfield, N. H.</i>
John Howard O'Keefe	<i>Taunton, Mass.</i>
Evan Bucklin Owen	<i>Providence</i>
Eliot Greer Parkhurst	<i>Providence</i>

NAME	RESIDENCE
Harry Ernest Pattee	<i>Bristol, N. H.</i>
William Thomas Pearson	<i>Fall River, Mass.</i>
Arthur Truman Steere Phetteplace	<i>Providence</i>
Emery Moulton Porter	<i>Providence</i>
Rhys Powell	<i>Scranton, Pa.</i>
Clinton Alfred Pray	<i>Brooklyn, Ct.</i>
Thomas Wendell Prestwich	<i>Providence</i>
Leonard Augustus Prouty	<i>Auburn, Mass.</i>
Oscar William Rackle	<i>Canton, O.</i>
Louis Rosen	<i>Providence</i>
Gustavus Adolphus Russ	<i>Norwich, Ct.</i>
Nathan Sackett	<i>Providence</i>
William Henry Sewell	<i>La Fayette, Tex.</i>
Charles Sawyer Shinn	<i>Lakehurst, N. J.</i>
Percy Shires	<i>Scranton, Pa.</i>
George Gershon Shor	<i>Worcester, Mass.</i>
William Gould Slocum	<i>Newport</i>
Chester Wilson Smith	<i>Worcester, Mass.</i>
Harris Deming Stone	<i>Auburn</i>
Axel Fabian Swanson	<i>Chicago, Ill.</i>
Matthew Mark Sweeney	<i>Woonsocket</i>
Everett Harold Swett	<i>Providence</i>
Leeson Oren Tarleton	<i>Concord, N. H.</i>
Charles Carpenter Tillinghast	<i>Oak Lawn</i>
Howard Melville Tracy	<i>Cortland, N. Y.</i>
Lloyd Peter Upton	<i>Manchester, N. H.</i>
Edwin Raymond Walsh	<i>Providence</i>
Gene Wilder Ware	<i>Shelburne Falls, Mass.</i>
Edward Wilford Weikert	<i>Hauppauge, N. Y.</i>
Ralph Cahoon Whitenack	<i>Wilmington, Del.</i>
Albert Everett Whittaker	<i>Central Falls</i>
Byron Whitemore	<i>Pittsfield, N. H.</i>
William Grant Winsor, Jr.	<i>Brockton, Mass.</i>
Walter Edgar Woodbury	<i>Nashua, N. H.</i>
Stephen Edward Wright	<i>Auburn</i>

JUNIORS : CLASS OF 1907

Myron Hopkins Strong Affleck	<i>Yonkers, N. Y.</i>
Francis Maurice Anderson	<i>Albany, N. Y.</i>
Richard Sisson Austin	<i>Providence</i>
Frederick Huntington Babcock	<i>Providence</i>
John Thomas Bannan	<i>Providence</i>
John Temple Barnicoat, Jr.	<i>Providence</i>
Frederick Steere Beattie	<i>Central Falls</i>

JUNIORS: CLASS OF 1907

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NAME	RESIDENCE
Joseph Boardman, Jr.	<i>Plymouth, N. H.</i>
Claude Raymond Branch	<i>Providence</i>
Edward Joseph Brennan	<i>Providence</i>
Jeremiah Hall Anderson Brewer	<i>Hall, Ind.</i>
William Edward Bright	<i>Scranton, Pa.</i>
Harry Duane Bruce	<i>Moretown, Vt.</i>
George Ambrose Buckley	<i>Brockton, Mass.</i>
George Earle Burnham	<i>Central Falls</i>
William Phineas Burnham	<i>Wells, N. Y.</i>
William Wilder Burton	<i>Pawtucket</i>
Arthur William Bushell	<i>Providence</i>
George Campbell	<i>Westminster, West, Vt.</i>
Francis Mercer Campbell	<i>Providence</i>
Zechariah Chafee, Jr. †	<i>Providence</i>
George Wilder Cheney	<i>Nashua, N. H.</i>
Harry Wright Collins	<i>Pawtucket</i>
Samuel Edward Compton	<i>Washington, D. C.</i>
Henry William Corp	<i>Providence</i>
Hollis Brown Cubberly	<i>South Plainfield, N. J.</i>
Robert Sylvester Curley	<i>Upton, Mass.</i>
John Leo Curran	<i>Providence</i>
Myron Shirley Curtis	<i>Pawtucket</i>
Ralph Norton Dennett	<i>North Adams, Mass.</i>
Alfred William Dickinson	<i>Somerville, Mass.</i>
William Matthew Dugan	<i>Brinckerhoff, N. Y.</i>
Lloyd Champlin Eddy	<i>Providence</i>
Ralph Leroy Elrod	<i>St. Albans, Vt.</i>
John Silva Enos	<i>Providence</i>
Alfred Wayland Fletcher	<i>Providence</i>
Francis Ford	<i>Providence</i>
Charles Fowler, Jr.	<i>Galveston, Texas</i>
Arthur Willis French	<i>Fall River, Mass.</i>
Horace Clemmer Funk	<i>Clayton, Pa.</i>
Dana Taylor Gallup	<i>Old Mystic, Ct.</i>
Edwin Ruthven Gordon	<i>East Providence</i>
Joseph Isaac Grover	<i>Providence</i>
Ralph Vincent Hadley	<i>Manchester, N. H.</i>
Arthur Valette Haight	<i>Poughkeepsie, N. Y.</i>
Henry Emmanuel Hallborg	<i>Newport</i>
Charles Mayo Hamlin	<i>Orono, Me.</i>
Herbert Elisha Harris	<i>Olneyville</i>
Forrest Shepard Harvey	<i>St. Albans, Vt.</i>
Walter Emerson Hatch	<i>St. Albans, Vt.</i>

NAME	RESIDENCE
Thomas Leo Heffernan	<i>Providence</i>
Oliver James Barton Henderson	<i>Bristol</i>
Levi Samuel Hoffman	<i>East Greenville, Pa.</i>
William Francis Huntley	<i>Providence</i>
George Hurley	<i>Providence</i>
Edmund Talma Jillson, Jr.	<i>Providence</i>
Preston Day Jones	<i>Providence</i>
Herbert Beers Keen	<i>Camden, N. J.</i>
Harvey McLeod Kelley	<i>Bradford, Mass.</i>
John Courtland Knowles	<i>Providence</i>
Vernon Kriebel Kriebel	<i>Lausdale, Pa.</i>
Ernest Carl Lehman	<i>Worcester, Mass.</i>
Jesse Wanton Shippee Lillibridge	<i>East Greenwich</i>
Benjamin Franklin Grosh Lindemuth	<i>Harrisburg, Pa.</i>
Leonard Simmons Little	<i>Providence</i>
Charles Adolph Lundell	<i>Providence</i>
Charles Dillon McEvoy	<i>Providence</i>
Joseph James Malcolm	<i>Providence</i>
Thomas Randolph Marshall	<i>Seaville, N. J.</i>
George Felix Mattuck	<i>Worcester, Mass.</i>
Royal McKnight Merritt	<i>Clifton Springs, N. Y.</i>
Harold Edmund Miller	<i>St. Albans, Vt.</i>
Frank Wilson Moody	<i>Hallowell, Me.</i>
Ephraim Butler Moulton	<i>Arlington</i>
Ira Leston Nickerson	<i>Manton</i>
Frederick William O'Connor	<i>Pawtucket</i>
Edward Mitchell Paddock	<i>Providence</i>
Harold William Paine	<i>Warwick</i>
William Partridge, Jr.	<i>Central Falls</i>
Leon Frank Payne	<i>Shelburne Falls, Mass.</i>
Henry Thornton Peace	<i>Saylesville</i>
Harry Edgar Pearsall	<i>Oxford, N. Y.</i>
Edwin James Potter	<i>Bridgeton</i>
Florence John Harrington Price	<i>Providence</i>
Ernest Shaw Reynolds	<i>Providence</i>
Edwin Vose Ross	<i>Portland, Me.</i>
William Nisbet Ross	<i>Providence</i>
Meyer Harold Sackett	<i>Providence</i>
Richard Arthur Sanders	<i>Providence</i>
Ulysses Sylvester Grant Scull	<i>Vineland, N. J.</i>
Arthur Gray Seabury	<i>Little Compton</i>
Benjamin Graves Sinclair	<i>Johnson, Vt.</i>
Walter Clifton Slade	<i>Providence</i>

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NAME	RESIDENCE
Clesen Havill Smith	<i>Lancaster, N. H.</i>
David Wilkinson Smith	<i>Manville</i>
Arthur Chester Snow	<i>Providence</i>
Frank Gideon Spencer, Jr.	<i>Providence</i>
William Almor Spinney, Jr.	<i>Newark, N. J.</i>
Walter Douglas Swaffield	<i>Jersey City, N. J.</i>
Homer Newton Sweet	<i>Providence</i>
Harry Hadley Thurlow	<i>Buffalo, N. Y.</i>
Leon Edgar Truesdell	<i>Townshend, Vt.</i>
Richard Dana Tucker	<i>Newburyport, Mass.</i>
Philip Vermilye Van Arsdale	<i>Plainfield, N. J.</i>
Raymond Goodwin Von Tobel	<i>Waterbury, Ct.</i>
John Gormley Walsh	<i>Providence</i>
Arthur William Wathen	<i>Rehoboth, Mass.</i>
Ernest Milton Watson	<i>Cranston</i>
Joseph Lewis Wheeler	<i>Providence</i>
Albert Easton White	<i>Providence</i>
Lee Heyer White	<i>New London, Ct.</i>
William Kenneth White	<i>Mansfield, Mass.</i>
Arthur Llewellyn Wright	<i>West Newton, Mass.</i>

SOPHOMORES: CLASS OF 1908

David Justin Allen	<i>Stanfordville, N. Y.</i>
Leo Matthew Bannon	<i>Central Falls</i>
Samuel Jacob Beeber	<i>Worcester, Mass.</i>
William Charles Bitting	<i>New York, N. Y.</i>
Ralph Philip Boas	<i>Providence</i>
Roswell Franklin Brooks, Jr.	<i>Harrisville</i>
William Ward Browne	<i>Providence</i>
Arthur Garfield Bruce	<i>Gardner, Mass.</i>
Osmore Wheeler Buddington	<i>Wilmington, Del.</i>
Robert Taylor Burbank	<i>Providence</i>
Walter Henry Burnham	<i>Providence</i>
Leslie Edgar Bushnell	<i>Auburn</i>
John Gladding Canfield	<i>Providence</i>
Norman Stanley Case	<i>Providence</i>
Howard Millar Chapin	<i>Providence</i>
Franklin Irving Chichester	<i>Poughkeepsie, N. Y.</i>
Henry Garfield Clark	<i>Shannock</i>
Ronald Blake Clarke	<i>Providence</i>
Harry Duffield Clough	<i>New Bedford, Mass.</i>
Earl Biddle Conklin	<i>Canton, Pa.</i>
Henry Conyers	<i>Arlington</i>
John Joseph Aloysius Cooney	<i>Providence</i>

NAME	RESIDENCE
Carl Leslie Cordery	<i>Providence</i>
George Walker Davis	<i>Providence</i>
Alfred Jason Densmore	<i>Lebanon, N. H.</i>
Herbert Larned Dorrance	<i>Providence</i>
Fred Albert Edgecomb	<i>Groton, Ct.</i>
Virgil Ehle	<i>Pawtucket</i>
Harry Albert Ehmke	<i>Silver Creek, N. Y.</i>
Albert Morrill Fletcher	<i>Cambridge, Mass.</i>
Louis John Gillespie	<i>Manchester, N. H.</i>
Robert Ripley Gleason	<i>Lonsdale</i>
Christopher Albert Greene	<i>Peace Dale</i>
Clarence Hill Griffith	<i>Utica, N. Y.</i>
Charles LeRoy Grinnell	<i>Middletown</i>
Laurence Rich Grose	<i>Yonkers, N. Y.</i>
Alfred Henry Gurney	<i>New London, Ct.</i>
Harry Joseph Putnam Hadley	<i>Malone, N. Y.</i>
Ernest Russell Hager	<i>Auburn</i>
James Alexander Hall	<i>Providence</i>
James Hamilton	<i>Cambridge, Mass.</i>
Clifford Murray Hathaway	<i>New Bedford, Mass.</i>
James Ovington Hazard	<i>Westerly</i>
Leslie Stephen High	<i>Providence</i>
John Ralph Honiss	<i>Newark, N. J.</i>
Frederick Nightingale Howard	<i>Providence</i>
Sheldon Jenckes Howe	<i>Providence</i>
Clifford Chesley Hubbard	<i>Milton, Mass.</i>
Robert Alexander Hueston	<i>Providence</i>
Carl Joseph Hunkins	<i>Laconia, N. H.</i>
Clayton Edward Hunt	<i>Columbia, Ct.</i>
Homer Bailey Hunt	<i>North Charlestown, N. H.</i>
Harry Albert Jager	<i>Providence</i>
Thomas Costello Johnson	<i>Phenix</i>
Robert Bradford Jones	<i>Providence</i>
Raymond Wileutt De Wolf Jones	<i>Greenfield, Mass.</i>
Lloyd Wadleigh Josselyn	<i>Bridgewater, Mass.</i>
Manley Spencer Kelley	<i>Stamford, Ct.</i>
Alfred Hopkins Lake	<i>Providence</i>
Frederick Walls Lane	<i>Providence</i>
Albert Eddy Leach	<i>North Raynham, Mass.</i>
John Howard Lever	<i>Providence</i>
Clinton Coolidge Low	<i>Lynn, Mass.</i>
Harold William Lyall	<i>Lawrence, Mass.</i>
William Lloyd McDonald	<i>St. Albans, Vt.</i>

NAME	RESIDENCE
Norman Fox MacGregor	<i>New York, N. Y.</i>
John Brown Mackenzie	<i>Fall River, Mass.</i>
Ralph Wilbur McPhee	<i>Newton, Mass.</i>
Alfred Joseph Maryott	<i>Springfield, Mass.</i>
Frank Fenner Mason	<i>Pawtucket</i>
Thomas Miller	<i>Fall River, Mass.</i>
Robert Ewing Mitchell	<i>Providence</i>
Joseph Briggs Munro	<i>Warren</i>
Robert Charles Nason	<i>Medway, Mass.</i>
Lewis Harvey Nutter	<i>Pittsfield, N. H.</i>
John Joseph O'Connor	<i>Taunton, Mass.</i>
Roland Cuthbert Ormsbee	<i>Matteawan, N. Y.</i>
Sidney Small Paine	<i>Newton Centre, Mass.</i>
Ely Eliot Palmer	<i>Providence</i>
Earle Winfield Peckham	<i>Providence</i>
Fred Hale Pierce	<i>Danielson, Ct.</i>
News Hagop Poladian	<i>Providence</i>
John Donald Pryor	<i>South Orange, N. J.</i>
William Whyte Reynolds	<i>North Adams, Mass.</i>
Donald Varnum Richardson	<i>Providence</i>
Harry Wolcott Robbins	<i>Ballston Spa, N. Y.</i>
Dwight Wood Robinson	<i>Auburn, Me.</i>
Willis Miley Rose	<i>Washington, D. C.</i>
Bertram Francis Ryder	<i>Cotuit, Mass.</i>
Benjamin Theodore Schiek	<i>Pardeeville, Wis.</i>
Victor Arthur Schwartz	<i>Newark, N. J.</i>
Carl Wilfred Shepardson	<i>Athol, Mass.</i>
Frank Garret Shinn	<i>Lakehurst, N. J.</i>
Earl Robert Smith	<i>Franklinville, N. Y.</i>
Henry Pomeroy Stacy	<i>Pawtucket</i>
Charles Rathbone Stark, Jr.	<i>Providence</i>
Samuel Adams Steere	<i>Providence</i>
Nathan Sterneher	<i>Providence</i>
Harlan True Stetson	<i>Newton Centre, Mass.</i>
Henry Jennison Blakely Stitt	<i>Saxton's River, Vt.</i>
Merrick Lyon Streeter	<i>Arlington Heights, Mass.</i>
Charles James Sullivan	<i>Providence</i>
Leslie Earl Swain	<i>Providence</i>
Harold Anthony Sweetland	<i>Providence</i>
Albert Clark Thomas	<i>Wakefield, Mass.</i>
Raymond Frank Tift	<i>Somerville, Mass.</i>
Leon Ernest Varnum	<i>New Bedford, Mass.</i>
Joseph Angier Vernon	<i>Providence</i>

NAME	RESIDENCE
Harold Allen Walker	<i>Taunton, Mass.</i>
Wade Clarence West	<i>Glenville, W. Va.</i>
James Wilmot	<i>Providence</i>
Sydney Smith Winslow	<i>Fall River, Mass.</i>
Peter Augustus Worsley	<i>Providence</i>
Grey Huntinford Wyman	<i>Lawrence, Mass.</i>
Howard Seth Young	<i>Woonsocket</i>

FRESHMEN : CLASS OF 1909

Charles Shoe Achenbach	<i>Phillipsburg, N. J.</i>
Winthrop Adams	<i>Cambridge, Mass.</i>
Jarvis Howard Alger	<i>Westerly</i>
Thomas Parker Ayer	<i>Manchester, N. H.</i>
Herbert Remington Ayler	<i>Portsmouth</i>
George Warren Babcock	<i>Fall River, Mass.</i>
Harold Pemberton Babcock	<i>Providence</i>
Ozias Chase Baker	<i>Niagara Falls, N. Y.</i>
Herbert Luther Barrett	<i>Jackson, Miss.</i>
Leon Henry Beytes	<i>Plymouth, Mass.</i>
William Bichwit	<i>Providence</i>
Irving Whitman Bogle	<i>Fall River, Mass.</i>
Clarence William Bosworth	<i>Georgiaville</i>
Arthur Chester Brackett	<i>River Point</i>
John Henry Brennan	<i>Providence</i>
Asa Sheldon Briggs	<i>Ashaway</i>
Charles Lewis Brightman	<i>Fall River, Mass.</i>
Harold Parker Brown	<i>Providence</i>
David Leslie Bruce	<i>West Newton, Mass.</i>
Fred Reed Budlong	<i>Providence</i>
William Potter Buffum, Jr.	<i>Newport</i>
Stuart Russell Bugbee	<i>North Attleboro, Mass.</i>
John Wymond Miller Bunker	<i>Newton Centre, Mass.</i>
Philip Burbank	<i>Providence</i>
Robert Wilbur Burgess	<i>Morgan Park, Ill.</i>
Elmer Arthur Burton	<i>Somerville, Mass.</i>
Raymond Buss	<i>Acworth, N. H.</i>
Kenneth Lloyd Butler	<i>Malden, Mass.</i>
William Hillman Butler	<i>Rockland, Me.</i>
Charles Frederick Butterworth	<i>Pottersville, Mass.</i>
Hugh Fred Cameron	<i>Providence</i>
George Henry Campbell	<i>Providence</i>
Eugene Clayton Carder	<i>Cambridge, Mass.</i>
Edward King Carley	<i>Newport</i>
Francis Wingate Carret	<i>Roxbury, Mass.</i>

NAME	RESIDENCE
George Wyman Carroll, Jr.	<i>Norwich, Ct.</i>
Amasa Manton Chace	<i>Newport</i>
Robert Foster Chambers	<i>Providence</i>
Malcolm Doyle Champlin	<i>Providence</i>
Emerson Lawrence Chandler	<i>New London, Ct.</i>
Newton Gladding Chase	<i>Woonsocket</i>
Paul Lloyd Chipman	<i>Wareham, Mass.</i>
Charles Richmond Church	<i>Providence</i>
Joseph Church, Jr.	<i>Tiverton</i>
Donald Graham Clark	<i>Portland, Me.</i>
Haven Alton Cobb	<i>Providence</i>
Reginald Bifield Cocroft	<i>Providence</i>
Irving Haven Coffin	<i>Edgartown, Mass.</i>
Robert Coker	<i>Salem, Mass.</i>
Clarkson Abel Collins, Jr.	<i>New York, N. Y.</i>
Richard Alexander Colmetz	<i>Providence</i>
Chester Chisholm Connell	<i>Stonington, Ct.</i>
James Greenan Connolly	<i>Pawtucket</i>
William Michael Conroy	<i>Fall River, Mass.</i>
Harry Francis Cook	<i>Westerly</i>
Bartlett Chamberlain Coss	<i>Cattaraugus, N. Y.</i>
Phanuel Bishop Covell	<i>Warren</i>
Albert Moses Cristy	<i>Providence</i>
Harold Redwood Curtis	<i>East Providence</i>
James Davis Dean	<i>Waverly, Pa.</i>
Frank Edward Dennie	<i>Brockton, Mass.</i>
George Amsden Densmore	<i>Lebanon, N. H.</i>
Arthur Lewis Denton	<i>Plainfield, N. J.</i>
William Obed Devoll, Jr.	<i>New Bedford, Mass.</i>
Patrick Edward Dillon	<i>Valley Falls</i>
James Payson Dixon, Jr.	<i>New London, N. H.</i>
William Pendleton Dodge	<i>Westerly</i>
Archibald Wallace Dunn	<i>Auburn, Me.</i>
Lewis Arnold Eadie	<i>Utica, N. Y.</i>
Herbert Richardson Ede	<i>Fairhaven, Mass.</i>
Daniel Webster Edmonds	<i>Washington, D. C.</i>
Harold Bowen Edmundson	<i>Thornton</i>
Lawrence Sanford Elliott	<i>Attleboro, Mass.</i>
Paul Ellsworth Everett	<i>Franklin, Mass.</i>
Edward William Everson	<i>Providence</i>
Miner Elliot Fenn	<i>Landgrove, Vt.</i>
Everett Merrill Hatch Follansbee	<i>Newburyport, Mass.</i>
Henry Edwin Fowler	<i>Wickford</i>

NAME	RESIDENCE
Augustus Sherman Frazer	<i>Louisville, Ky.</i>
Benson Ralph Frost	<i>Rhinebeck, N. Y.</i>
Walter Mason Gager	<i>Providence</i>
Clifton Gardner	<i>Full River, Mass.</i>
William Lee Gilman	<i>Buckfield, Me.</i>
Ira Nathan Goff, Jr.	<i>Providence</i>
Warren Clifford Goodwin	<i>New London, N. H.</i>
Walter Edward Goodwin	<i>Taunton, Mass.</i>
Adolph Gorman	<i>Providence</i>
John Lawrence Gorman	<i>Ballston Spa, N. Y.</i>
Allan Westcott Greene	<i>Barrington</i>
Norman Boyes Griggs	<i>Willimantic, Ct.</i>
Charles Aubrey Hagerty	<i>Providence</i>
Chester Sargent Hardy	<i>Fitchburg, Mass.</i>
Albert Harkness, 2d	<i>Providence</i>
Daniel Joseph Harrigan	<i>Newburyport, Mass.</i>
Charles Edward Havens	<i>Longmeadow</i>
Edward Charles Hempel	<i>Geneva</i>
George Henry Henderson	<i>Woonsocket</i>
James Milton Hess, Jr.	<i>Haddonfield, N. J.</i>
William Madison Higgins	<i>Groveton, N. H.</i>
Harold Griffith High	<i>Providence</i>
Lucian Winfield Himes	<i>Phenix</i>
Edward James Hollen	<i>Providence</i>
Charles Evans Hughes, Jr.	<i>New York, N. Y.</i>
George Thomas Huxford	<i>Edgartown, Mass.</i>
Will Clarence Ingalls, Jr.	<i>Arlington, N. J.</i>
Howard Kempton Jackson	<i>Woonsocket</i>
Irvin Jacobs	<i>Ligonier, Ind.</i>
Louis Cottrell Jennings	<i>Newport</i>
Clarence Richard Johnson	<i>Rumford</i>
Bernard Aloysius Keenan	<i>Pawtucket</i>
George Albert Kemp	<i>Warren</i>
Henry Hartinett Keough	<i>Holyoke, Mass.</i>
James Francis Kiernan	<i>Wareham, Mass.</i>
Roland Frank King	<i>Providence</i>
Arthur Joseph Kirley	<i>Sheldon, Vt.</i>
Harry Beaston Lake	<i>Port Norris, N. J.</i>
Harry Badger Lane	<i>New Haven, Ct.</i>
John Raymond Lapham	<i>West Medway, Mass.</i>
Lawrence Lyle Larrabee	<i>Port Alleghany, Pa.</i>
Julius Hyman Lasker	<i>Providence</i>
Samuel Cleghorn Lewis	<i>Sioux City, Ia.</i>

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NAME	RESIDENCE
Walter Nahum Freeman Linnell	<i>Attleboro, Mass.</i>
Henry Willis Littlefield	<i>Providence</i>
Ivory Littlefield	<i>Providence</i>
Charles David McCann	<i>Brockton, Mass.</i>
Edward Humphrey McCarthy	<i>Providence</i>
Louis Augustine McCoy	<i>Pawtucket</i>
Omar Roscoe McCoy	<i>Providence</i>
John Clarence McDonald	<i>Ludlow, Vt.</i>
Walter Clyde McDuffee	<i>Rochester, N. H.</i>
Frank Maines	<i>Paterson, N. J.</i>
Everett Wilbur Manter	<i>Taunton, Mass.</i>
Alvin Inman Marshall	<i>Malone, N. Y.</i>
Hunter Sylvester Marston	<i>New York, N. Y.</i>
Edwin Bloch Mayer	<i>Chicago, Ill.</i>
John Wesley Mayhew	<i>Edgartown, Mass.</i>
Lewis Hamilton Meader, Jr.	<i>Providence</i>
Leroy Ayer Mehan	<i>Plattsburg, N. Y.</i>
James Matthias Mercer	<i>Willimantic, Ct.</i>
William Davis Miller	<i>Providence</i>
Richard Hagan Miller	<i>Providence</i>
William Edwin Barbour Mitchell	<i>Westerly</i>
William Pleasants Mitchell	<i>Millville, N. J.</i>
Winfield Scott Morrison	<i>Ballston Spa, N. Y.</i>
Joseph Donahue Mulligan	<i>Providence</i>
William Robert Nash	<i>New Britain, Ct.</i>
Donald Nicolson	<i>Newton, Mass.</i>
Warren Carney Norton	<i>Portland, Me.</i>
Chester Linwood Nourse	<i>Newburyport, Mass.</i>
Henry Nuttall	<i>Fall River, Mass.</i>
Alfred John Olsen, Jr.	<i>Providence</i>
Harold Gilbert O'Neil	<i>Malone, N. Y.</i>
Ralph Burtis Parker	<i>Winthrop, Me.</i>
Irving Wooster Patterson	<i>Storrs, Ct.</i>
Theodore Lochart Paul	<i>Sherborn, Mass.</i>
Howard Hanson Payne	<i>Pawtucket</i>
Robert Sanborn Pinkham	<i>Wollaston, Mass.</i>
Harold Minot Pitman	<i>Providence</i>
Charles Sumner Plummer, Jr.	<i>Newport</i>
Albert Harkness Poland	<i>Providence</i>
William Denton Pollock	<i>Richmond Hill, N. Y.</i>
Joseph Price	<i>Providence</i>
Frederick Lyman Provan	<i>Beverly, Mass.</i>
Wendell Phillips Raymond	<i>Brockton, Mass.</i>

NAME	RESIDENCE
Elijah Pierson Raynor	<i>West Hampton Beach, N. Y.</i>
David Albert Reid	<i>Providence</i>
Lawrence Richmond	<i>Providence</i>
William Edward Rider	<i>Mansfield, Mass.</i>
George Francis Alexander Riley	<i>Fall River, Mass.</i>
Alberti Roberts	<i>West Coxsackie, N. Y.</i>
Arthur Edward Roper	<i>Hopedale, Mass.</i>
Bernard Shaffner Rose	<i>Providence</i>
Earl Clarendon Ross	<i>Pawtucket</i>
William Crawford Ross	<i>Portland, Me.</i>
Everett Mathewson Salisbury	<i>Providence</i>
Norman Lewis Sammis	<i>Huntington, N. Y.</i>
Paul Aloysius San Souci	<i>Providence</i>
Maurice Elijah Schur	<i>Worcester, Mass.</i>
Allen Oscar Seabury	<i>Little Compton</i>
Henry Boyd Selleck	<i>Providence</i>
Albert Edward Shaw	<i>Webster, Mass.</i>
Percy Augustus Shaw	<i>Fall River, Mass.</i>
Henry William Shay	<i>Fall River, Mass.</i>
Herbert Montague Sherwood	<i>Providence</i>
Ralph Williams Shields	<i>New Milford, Pa.</i>
William Tracy Shields	<i>Providence</i>
Myron Davis Shiverick	<i>Falmouth, Mass.</i>
Conrad Fabian Sjoberg	<i>Elmhurst, N. Y.</i>
Harry Allen Skerry	<i>Providence</i>
Bertram Smith	<i>Hillsboro Bridge, N. H.</i>
Harold Bertram Smith	<i>Taunton, Mass.</i>
Clyde Robinson Smith	<i>Hartford, Ct.</i>
Harry Frederick Smith, Jr.	<i>New York, N. Y.</i>
William Armour Smith	<i>Lawrence, Mass.</i>
Norman Haywood Sooy	<i>Kansas City, Mo.</i>
Arthur Kimball Soule	<i>St. Albans, Vt.</i>
Dana Lloyd Southworth	<i>Needham, Mass.</i>
Edward Jacob Squire	<i>Groton, Ct.</i>
Harry Bingham Stearns	<i>Wilmot, N. H.</i>
Alanson Thaddeus Stephens	<i>Hornellsville, N. Y.</i>
Clifford Alexander Stewart	<i>Providence</i>
Donald Leroy Stone	<i>Indianapolis, Ind.</i>
Guy Forney Strickler	<i>Lebanon, Pa.</i>
Herbert Knapp Sturdy, Jr.	<i>Attleboro Falls, Mass.</i>
Harold Greene Sturgis	<i>Uniontown, Pa.</i>
John Joseph Sullivan	<i>Cranston</i>
Robert James Banigan Sullivan	<i>Providence</i>

FRESHMEN: CLASS OF 1909

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NAME	RESIDENCE
John Seymour Sweetland	<i>Barrington</i>
Harold Brooks Tanner	<i>Providence</i>
Frank Carter Taylor	<i>Providence</i>
George Danforth Taylor	<i>Stamford, N. Y.</i>
Ray Brown Thomas	<i>Burlington, Vt.</i>
Selwyn Garfield Tinkham	<i>New Bedford, Mass.</i>
George Alfred Townsend	<i>Glen Falls, N. Y.</i>
William Henry Trausneck	<i>Yonkers, N. Y.</i>
James Varnum Turner	<i>Providence</i>
Frank Albert Walker	<i>Providence</i>
William Russell Walker, 2d	<i>Providence</i>
Charles Henry Ward, 2d	<i>Middletown</i>
Charles Fletcher Warren	<i>Plainville, Mass.</i>
Robert Campbell Weed	<i>Drownville</i>
Henry Aaron Weil	<i>Chicago, Ill.</i>
Edward Smith Wells	<i>Palmer, Mass.</i>
John Hazard Wells	<i>Kingston</i>
Charles Asa Westcott	<i>Hopedale, Mass.</i>
John Benjamin Westcott	<i>Waugrean, Ct.</i>
Alanson Knox Westervelt	<i>Des Moines, Ia.</i>
George Franklin Weston, Jr.	<i>Providence</i>
Stewart Downes Weston	<i>Providence</i>
Chauncey Earle Wheeler	<i>Plainville, Mass.</i>
Charles Benjamin Whipple	<i>South Dayton, N. Y.</i>
Clarence Milton Whipple	<i>Mapleville</i>
Donald Proctor White	<i>Providence</i>
Robert Holmes Whitmarsh	<i>Providence</i>
Frank Allen Wightman	<i>Warren</i>
Louis Paul Willemin	<i>Providence</i>
Norman Harris Williams	<i>Moodus, Ct.</i>
Sydney Wilmot	<i>Providence</i>

SPECIAL STUDENTS

Robert Horace Andrews	<i>New Haven, Ct.</i>
Edward Sumner Bailey	<i>Reading, Mass.</i>
Frederick May Boyce	<i>Providence</i>
Charles Walter Briggs, Jr.	<i>Norwich, Ct.</i>
Archibald Douglas Brown	<i>Providence</i>
Henry Dewees Cady	<i>Warren</i>
Thomas Lawrence Carty	<i>Pawtucket</i>
Herbert Warner Clark	<i>Stowe, Mass.</i>
Redmond Peter Conley	<i>Phenix</i>
William Mathew Connell	<i>Edgewood</i>
Frank Bourne Cowell	<i>Providence</i>

NAME	RESIDENCE
Engene Bromley DeMerritt	<i>Exeter, N. H.</i>
William Washington Dove	<i>Providence</i>
Gardner Coggeshall Easton	<i>Newport</i>
William Henry Eley	<i>Providence</i>
Edward Leo Farrell	<i>South Boston, Mass.</i>
Henry Ginnet	<i>Garden City, N. Y.</i>
Willoe Jasper Hall	<i>George's Mills, N. H.</i>
William Osborne Hamblin	<i>Providence</i>
Walter Herman Harris	<i>Baltimore, Md.</i>
George Barron Hubbard	<i>Winthrop Beach, Mass.</i>
William Tiffany Ide	<i>East Providence</i>
Donald Jackson	<i>Providence</i>
Samuel Eugene Jackson	<i>Pawtucket</i>
Martin Crawford James	<i>Kansas City, Mo.</i>
Krikor Jamgochian	<i>Providence</i>
Paul Hubert Smith Johnson	<i>Naugatuck, Ct.</i>
George Holmes Kelley	<i>Providence</i>
Charles Martin Kirby	<i>Providence</i>
Edmond Irving LaBeaume	<i>St. Louis, Mo.</i>
Erroll Stevens Ladd	<i>Springfield, Mass.</i>
Francis Augustus McGreen	<i>Bellows Falls, Vt.</i>
Donald McLean	<i>Bethlehem, Pa.</i>
Oscar Maddaus	<i>Brooklyn, N. Y.</i>
Harold Edson Minnerly	<i>Tarrytown, N. Y.</i>
Marion Ellis Mitchell	<i>Providence</i>
William Dexter Morrill	<i>Lynn, Mass.</i>
Robert Fairfax Munro	<i>Bristol</i>
James Murray	<i>Providence</i>
James Lee Murray	<i>Narragansett Pier</i>
Clarence Irving Peckham	<i>East Providence</i>
Charles Westmacott Perry	<i>Pawtucket</i>
Frank Wetherell Pierce	<i>Providence</i>
William Christopher Prout	<i>Boston, Mass.</i>
Wayne Lawrence Randall	<i>Providence</i>
Robert Aloysius Scally	<i>Stoneham, Mass.</i>
Wilmarth Young Seymour	<i>Warren</i>
Herbert Benjamin Shearer	<i>Dublin, Pa.</i>
George Francis Sykes	<i>Suffield, Ct.</i>
Arpiar Vartanian	<i>Providence</i>
Samuel Church Wardwell	<i>Bristol</i>
Walter Arthur Watts	<i>Providence</i>
Archibald Haddon White	<i>Brooklyn, N. Y.</i>
Myron Day Young	<i>Derby, Vt.</i>

THE WOMEN'S COLLEGE
IN BROWN UNIVERSITY

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OFFICERS OF ADMINISTRATION AND
INSTRUCTION

WILLIAM HERBERT PERRY FAUNCE, A.M., D.D., LL.D., PRESIDENT

Professor of Moral and Intellectual Philosophy

LIDA SHAW KING, A.M., DEAN OF THE WOMEN'S COLLEGE

Assistant Professor of Classical Philology

EMMA BRADFORD STANTON, A.M., REGISTRAR OF THE WOMEN'S COL-
LEGE

JOHN HOWARD APPLETON, A.M., Sc.D.

Newport-Rogers Professor of Chemistry

WILLIAM CAREY POLAND, A.M., Litt.D.

Professor of the History of Art and Director of the Museum of Fine Arts

NATHANIEL FRENCH DAVIS, A.M., LL.D.

Professor of Pure Mathematics

WILLIAM WHITMAN BAILEY, A.M., LL.D.

Professor of Botany

WINSLOW UPTON, A.M.

Professor of Astronomy and Director of the Ladd Observatory

ALBERT GRANGER HARKNESS, A.M.

Professor of Roman Literature and History

HENRY BRAYTON GARDNER, Ph.D.

Professor of Political Economy

COURTNEY LANGDON, A.B.

Professor of the Romance Languages and Literatures

WILFRED HAROLD MUNRO, A.M.

Professor of European History

GEORGE GRAFTON WILSON, Ph.D.

Professor of Social and Political Science

EDMUND BURKE DELABARRE, Ph.D.

Professor of Psychology

JAMES IRVING MANATT, PH.D., LL.D.

Professor of Greek Literature and History

WALTER COCHRANE BRONSON, A.M., LITT.D.

Professor of English Literature

WALTER GOODNOW EVERETT, PH.D.

Professor of Philosophy and Natural Theology

ASA CLINTON CROWELL, PH.D.

Associate Professor of the Germanic Languages and Literatures

CARL BARUS, PH.D.

Hazard Professor of Physics

HENRY PARKER MANNING, PH.D.

Assistant Professor of Pure Mathematics

JAMES QUAYLE DEALEY, PH.D.

Professor of Social and Political Science

WALTER BALLOU JACOBS, A.M.

Professor of the Theory and Practice of Education

ALBERT DAVIS MEAD, PH.D.

Professor of Comparative Anatomy

ALBERT KNIGHT POTTER, A.M.

Associate Professor of the English Language

ALBERT BUSHNELL JOHNSON, A.M.

Associate Professor of the Romance Languages

JOHN FRANCIS GREENE, A.M.

Assistant Professor of Roman Literature and History

FREDERICK SLOCUM, PH.D.

Assistant Professor of Astronomy

WILLIAM MACDONALD, PH.D., LL.D.

George L. Littlefield Professor of American History

JOHN EMERY BUCHER, PH.D.

Associate Professor of Organic Chemistry

HENRY THATCHER FOWLER, PH.D.

Professor of Biblical Literature and History

LINDSAY TODD DAMON, A.B.

Professor of Rhetoric

GEORGE WYLLYS BENEDICT, PH.D.

Assistant Professor of English

THOMAS CROSBY, A.M.

Assistant Professor of English and Public Speaking

JOHANNES BENONI EDUARD JONAS, PH.D.

Assistant Professor of the Germanic Languages and Literatures

HENRY BARRETT HUNTINGTON, A.B.

Assistant Professor of English

ALBERT SWIFT MORSE, A.M.

Assistant Professor of the Romance Languages

JAMES FRANKLIN COLLINS, PH.B.

Assistant Professor of Botany and Curator of the Herbarium

CLARENCE ELNATHAN NORRIS, A.M.

Instructor in German

GEORGE WARRINGTON LATHAM, A.B.

Instructor in English

CHARLES HERMAN HUNKINS, A.B.

Instructor in French

VAHAN SIMON BABASINIAN, A.M.

Instructor in Chemistry

MARION LYDIA SHOREY, PH.B.

Instructor in Physiology and Household Economics in the Women's College

JESSIE RICHARDS ADAMS (Graduate of the Boston Normal School of
Gymnastics)

Instructor in Physical Culture in the Women's College

ERNEST TROWBRIDGE PAINE, A.M.

Instructor in Greek

WILLIAM KIRK, PH.D.

Instructor in Political Economy

WALTER CLARKE PHILLIPS, A.M.

Instructor in English

HOWARD BRISTOL GROSE, JR., PH.B.

Instructor in English

EDGAR LOUIS ASHLEY, A.M.

Assistant in German

CHARLES STUART MITCHELL, A.B.

Assistant in English

JEANNIE OLIVER ARNOLD, M.D.

Medical Examiner

HESTER JANE MERCER, A.B.

Head of the Slater Memorial Homestead

COMMITTEE ON THE CURRICULUM

Professors POLAND, DAVIS, GARDNER, LANGDON, BRONSON, EVERETT, ALLIN-
SON, MEAD, and MACDONALD, *Dean* KING.

BROWN UNIVERSITY

EXECUTIVE COMMITTEE

*President FAUNCE, Dean KING, ROBERT HALE IVES GODDARD, A.M., Rev.
HENRY MELVILLE KING, A.M., D.D., STEPHEN OLNEY METCALF, A.B.*

ADVISORY COUNCIL

*Miss SARAH E. DOYLE, Miss AMELIA S. KNIGHT, Mrs. ELIZA G. RADEKE,
Mrs. ANNIE HOWES BARUS, Mrs. ANNIE C. E. ALLINSON.*

ORGANIZATION OF THE WOMEN'S COLLEGE

INSTRUCTION for undergraduate women‡ is provided by a department of the University known as THE WOMEN'S COLLEGE IN BROWN UNIVERSITY. The aim of The Women's College is to offer to all properly prepared women the same examinations, the same courses of study under the same teachers, and the same degrees that the University offers to men, but to preserve the distinct social life of a separate college.

The Corporation of the University assumes supervision and control of the Women's College as of other departments of the University, and for this purpose appoints annually an Executive Committee of the Women's College. The Corporation receives gifts of money to found scholarships, fellowships, and professorships in Brown University for the benefit of its women students, and for the general purposes of the Women's College, and holds and administers such funds as separate and distinct from the general funds of the University. All gifts, legacies, and bequests for the Women's College, like those meant for any other department of the University, should be made payable to "Brown University, in Providence, in the State of Rhode Island and Providence Plantations."

The President of the University is charged with the general direction, supervision, and government of this College as of other departments of the University. The immediate direction, supervision, and control is devolved, subject to the direction of the President, on the Dean of the Women's College. An Advisory Council, appointed under the authority of the Corporation, advises with the President and the Dean upon matters relating to the Women's College, and makes recommendations to the Executive Committee of the Women's College or to the Corporation.

The Faculty of the Women's College is composed of the heads of all departments of instruction in Brown University, together with all professors and instructors who are actually teaching in the College.

The Women's College has a recitation hall of its own, known as Pembroke Hall, situated a quarter of a mile from the other University buildings. It is named after Pembroke College, Cambridge, England, the college of Roger

‡ In the Graduate Department of Brown University all courses intended for Graduate students are open to women on the same terms as to men.

Williams. It is of red brick with stone and terra-cotta trimmings, after the English University style of the fifteenth and sixteenth centuries. The building is three stories high, and is fitted up with every convenience. On the first floor are the offices, a private room for the instructors, and three recitation rooms. On the second floor are two recitation rooms, a reception room, a study and library, and a magazine and reading room. The third floor is one large hall, with open-timbered roof and two large fireplaces. In the basement, which is light, dry, and airy, the students' lockers, baths, kitchen, and lunch-room are located. The resources of this building are supplemented by the various University libraries, laboratories, and museums.

REQUIREMENTS FOR ADMISSION

The requirements for admission to the Women's College are the same as those which the University prescribes for men; and the entrance examinations for women are held at the same times and places and under the same conditions as those for men. In place of entrance examinations, certificates may be presented from duly authorized schools. For full information on all these points, see pages 41-53.

Students who do not wish to become candidates for a degree are allowed to register as special students on terms similar to those described on pages 51-3. Each applicant for registration as a special student must present to the Dean satisfactory evidence of her ability to pursue successfully the courses chosen. Every special student, unless excused by the Dean and by the professors in charge of her subjects, must take the regular examinations in those subjects.

DEGREES

The requirements for the various degrees are the same for women as for men. Information regarding these requirements may be found on pages 55-62. Upon students of the Women's College who complete satisfactorily the work leading to the degree of Bachelor of Arts, Bachelor of Philosophy, or Bachelor of Science, the Corporation of the University confers the appropriate degree.

COURSES OF INSTRUCTION

In all the required studies classes are formed which are taught by the professors and instructors who have in charge the corresponding classes of men. The elective courses offered are identical in character with the corresponding courses offered to men. A list of those offered during the current year may be found in the Annual Announcement of the Women's College.

EXAMINATIONS AND REPORTS

As a rule, women take the same examinations as those offered to men, and at the same times and places. When a separate examination is necessary, the two examinations are made as nearly identical in character as possible. Reports of standing are given after all examinations.

PHYSICAL TRAINING

Two hours a week of physical training are required of first and second year students; for other students voluntary classes are held. Outdoor work under the supervision of the gymnasium instructor is accepted in place of gymnasium work during the spring and fall terms. At present the classes in physical training are held in Pembroke Hall, but a gymnasium is to be erected this year which will be equipped with all modern appliances. Upon entering college and again at the beginning of the Sophomore year, each student is given a careful examination both by the College Physician and by the Director of the Department.

DUES

Students at the Women's College pay the same dues as other students of the University. See pages 153-4. No deduction in tuition is made on account of absence. One-half of the tuition and of the incidental expenses is to be paid in advance. The remainder is due January 1. Laboratory expenses, etc., are to be paid two weeks before the close of a term.

Special students at the Women's College are charged \$10 a term for each course holding three recitations a week. Laboratory charges are in addition to this.

DORMITORY ACCOMMODATIONS

The College owns one dormitory, the Slater Memorial Homestead, which contains six double rooms and nine single rooms. All the rooms are well furnished. Two of the single rooms, on the third floor, are very small, and for each of them and board the charge is \$196.00 a year. For all the other single rooms and for half of each double room, together with board, the charge is \$235.00 a year. One-third of the sum is payable at the beginning of each term. Laundry work is charged extra.

It is possible for students to obtain rooms very near the Slater Memorial Homestead and take their meals at the dormitory.

Desirable homes for students may also be obtained in private families. Lodgings, with or without board, may be secured on consultation with the Dean.

Each student renting a room in the dormitory must sign a contract therefor in the form given below, on which surety may be demanded, binding her to pay or cause to be paid the rent of the room through the entire year. Where two students rent a room together, each must sign a contract for half the room expenses. This obligation is not impaired by the student's removal from the College, whatever the cause of such removal. The form of contract is given below.

The following is a contract between the Women's College in Brown University, party of the first part, and the undersigned, party of the second part. I hereby engage room No. _____ in Slater Memorial Homestead; the same not to be occupied by any other person without consent of the party of the first part, and I bind myself to pay or cause to be paid to the Dean of the Women's College in

Brown University the entire rent, including heat and service, amounting to \$ _____ for the college year beginning September, 190 .

It is a part of this agreement that I shall be held responsible for all damage or defacement of such room or its furniture, ordinary wear excepted; also that disuse of the room by me on account of illness, or in case registration is refused me owing to low standing or bad conduct, does not impair the obligation of this contract.

Signed _____

This day of

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LOAN FUNDS AND SCHOLARSHIPS

The College has a loan fund and various scholarships designed to aid deserving students. Aid is given only to students whose work is creditable, and is withdrawn if the recipients become deficient in scholarship or subject to college discipline. Applications should be made in writing to the Dean on or before May 1. Awards are made after July 1. A list of the funds and scholarships follows.

The Rhode Island Society for the Collegiate Education of Women has founded a Loan Fund from which students of the Women's College who have completed their first year may borrow small sums on easy terms. This Fund is available only for students whose record for scholarship is satisfactory to the committee which administers the loans. Further information may be obtained from the Dean.

The Rhode Island Women's Club annually devotes the income of its Churchill Fund toward the payment of the tuition of some worthy student in the Women's College.

The College awards annually from its own funds scholarships of varying amounts, to students in need of financial aid. There are also the following endowed scholarships:

THE SARAH E. DOYLE SCHOLARSHIP

of one thousand dollars, founded by the lady whose name it bears, the income to be applied toward the payment of the tuition of students in the Women's College who have been prepared for college in the Providence High School.

THE SARAH SUTTON SCHOLARSHIP

of one thousand dollars, founded by one of her daughters.

THE DANIELS SCHOLARSHIP

of twenty-five hundred dollars, the income to be used toward paying the expenses of one or more women pursuing studies either in the University or in the Women's College adjunct thereto.

THE HOWARD SCHOLARSHIP

of one thousand dollars, presented by James Leland Howard of Hartford, Conn.

THE THAYER SCHOLARSHIP

founded by Edward C. Thayer, in honor of his father, Joseph Thayer, of the class of 1815, the income to be for the education of any young man or woman a resident of Uxbridge, Mass., endorsed by the selectmen and superintendent of schools there, needing pecuniary aid and giving promise by character and scholarship of a life of usefulness. If there is no applicant from Uxbridge, the income may go to any applicant from Massachusetts who fulfils the conditions.

PRIZES, PREMIUMS, AND HONORS

THE GASPEE CHAPTER DAUGHTERS OF THE AMERICAN REVOLUTION PRIZE

This Prize of forty dollars is awarded annually to that student in the graduating class of the Women's College who shall present the best essay upon some topic in American history. The essays are to bear each an assumed name, and to be accompanied by an envelope marked with the assumed name and enclosing the candidate's real name and address. The essays must be handed to the Dean before May 1. The award is announced on Commencement Day. The topic for the year 1904-5 was "The Committees of Correspondence in the New England Colonies." The topic for 1905-6 is "The History of the Sons of Liberty in New England." In 1905 this Prize was awarded to

SARAH KEMPTON CADY

PHILOSOPHICAL PRIZES

In 1905-6 are offered two prizes, a first prize of seventy-five dollars and a second prize of twenty-five dollars, for the best and second best essays on the subject, "A Critical Study of Mysticism in English Poetry."

COLLATERAL PREMIUMS

The students of the Women's College are entitled to compete in all examinations for premiums and prizes offered by Brown University. In case any woman is entitled to a first premium, a collateral prize is awarded by the Dean. For the awards in 1905, see pages 163-7.

HONORS

Term Honors and Final Honors are awarded to women on the same conditions as to men. See pages 168-9. The names of women students awarded Final Honors are printed in the Commencement Program and in the Annual Catalogue of Brown University.

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Further information in regard to the Women's College will be found in the Annual Announcement of the Women's College, 1905-6, or may be obtained by addressing THE DEAN, PEMBROKE HALL, PROVIDENCE, R. I.

STUDENTS

SENIORS: CLASS OF 1906

NAME	RESIDENCE
Bessie Lenore Adams	<i>River Point</i>
Alice Appleton	<i>Providence</i>
Mabel Corinne Ashworth	<i>Auburn</i>
Marion Chace Austin	<i>Niantic</i>
Edith Agnes Barr	<i>Providence</i>
Stella Hathaway Baylies	<i>Fall River, Mass.</i>
Henrietta Celia Brazeau	<i>Pawtucket</i>
Mary Agnes Doyle Brennan	<i>Providence</i>
Cora Severy Burrill	<i>Pawtuxet Neck</i>
Elizabeth Clark Butterworth	<i>Fall River, Mass.</i>
Edith Elizabeth Chaffee	<i>East Providence</i>
Winifred Florence Chase	<i>Fall River, Mass.</i>
Alleyne Clark	<i>Castleton, Vt.</i>
Hope Davis	<i>Providence</i>
Ursula Hope Devenish	<i>Providence</i>
Bessie Ballard Grammont	<i>Providence</i>
Linda Lawton Haight	<i>Warren</i>
Ida Frances Herrmann	<i>Bristol</i>
Judith Barber Hopkins	<i>Putnam, Ct.</i>
Laura Frances Ingman	<i>La Grange, Mo.</i>
Mary LaDame	<i>North Adams, Mass.</i>
Florence May Leighton	<i>Laconia, N. H.</i>
Annie Elizabeth McAlister	<i>Central Falls</i>
Emma Elizabeth McKenna	<i>Providence</i>
Ida Anna Morgan	<i>Providence</i>
Edith Arline Nichols	<i>Providence</i>
Georgie Smith Peck	<i>Providence</i>
Ethelwyn Chaffee Phillips	<i>Providence</i>
Elva Elizabeth Phillips	<i>Springfield, Mass.</i>
Bertha Elizabeth Piggott	<i>New Bedford, Mass.</i>
Grace Redford	<i>Pawtucket</i>
Florence Carrie Reynolds	<i>Greenfield, N. H.</i>
Lillian Hope Robinson	<i>Pawtucket</i>
Laura Richards Sherman	<i>Providence</i>
Grace Mabel Sherwood	<i>Providence</i>
Grace Susan Stevens	<i>Williamstown, Mass.</i>
Alice Sundberg	<i>Rumford</i>
Ethel Brown Thornton	<i>Providence</i>
Alice Carlotta Tillinghast	<i>Providence</i>

JUNIORS: CLASS OF 1907

NAME	RESIDENCE
Mary Louise Adams	<i>Providence</i>
Leah Brown Allen	<i>Providence</i>
Anne McCurdy Bass	<i>Willimantic, Ct.</i>
Lizzie Alma Blackburn	<i>Fairhaven, Mass.</i>
Alice Marie Blessing	<i>Providence</i>
Dorothea Brenton Burge	<i>Edgewood</i>
Mildred Allen Carnes	<i>Providence</i>
Martha Warren Case	<i>Providence</i>
Gertrude Mary Clark	<i>Providence</i>
Marion Shirley Cole	<i>Bristol</i>
Blanche May Crapo	<i>Taunton, Mass.</i>
Elizabeth Robinson Crapon	<i>Providence</i>
Nellie Veronica Donovan	<i>Pawtucket</i>
Bessie Alice Gatie	<i>New Bedford, Mass.</i>
Ida Marion Grimshaw	<i>Fairhaven, Mass.</i>
Bertha Ethel Hopkins	<i>North Scituate</i>
Harriet Louvan Hoyle	<i>Providence</i>
Zerrie Fitz Randolph Huntsman	<i>Providence</i>
Helma Augusta Johnson	<i>Rumford</i>
Marguerite May Levere	<i>Bristol</i>
Rachel Gertrude McAuliffe	<i>Providence</i>
Kathrine Marion MacKenzie	<i>Pawtucket</i>
Grace Edith Mahy	<i>Providence</i>
Alice Rhodes Martin	<i>Warren</i>
Bertha Corinne Mathieu	<i>Central Falls</i>
Louise Baggott Morgan	<i>Providence</i>
Claribel Redford	<i>Pawtucket</i>
Ethel Louise Robinson	<i>Providence</i>
Ida Lawrence Rollins	<i>Providence</i>
Ethel Ida Rowand	<i>East Providence</i>
Louise Amelia Schofield	<i>Providence</i>
Louise Schutz	<i>Providence</i>
Sarah Ida Shapiro	<i>Providence</i>
Blanche Luella Smith	<i>Providence</i>
Eunice Clara Smith	<i>Pawtucket</i>
Ethel May Washburn	<i>Central Falls</i>
Mary Alice Whittlesey	<i>Rockville, Ct.</i>
Lillian Arthur Winsor	<i>Providence</i>

SOPHOMORES: CLASS OF 1908

NAME	RESIDENCE
Agnes Marie Blaine	<i>Middleboro, Mass.</i>
Louise Adams Bourne	<i>Providence</i>
Laura Cindarella Brant	<i>Nooseneck</i>
Rose Ellen Brant	<i>Nooseneck</i>
Florence Edith Browne	<i>Providence</i>
Gertrude Mace Childs	<i>Swampscott, Mass.</i>
Bertha Guild Coffin	<i>Hopedale, Mass.</i>
Elizabeth Reynolds Cole	<i>Warren</i>
Amey Brown Eaton	<i>Providence</i>
Gertrude Marsh Ellis	<i>Fairhaven, Mass.</i>
Lucy May Ellis	<i>Attleboro, Mass.</i>
Nelly Mary Evans	<i>Port Chester, N. Y.</i>
Katherine Everett	<i>Westerly</i>
Ruth Leonard Foster	<i>Providence</i>
Lida Montfort Fowler	<i>Providence</i>
Helen Louise Gifford	<i>East Greenwich</i>
Mary Amelia Gorman	<i>Providence</i>
Mary Isabel Hall	<i>Providence</i>
Josephine Agnes Halliwell	<i>Providence</i>
Frances Eldridge Hatch	<i>Providence</i>
Hattie Maria Holt	<i>Providence</i>
Sarah Ann Ide	<i>East Providence</i>
Madeline Katherine Johnson	<i>Providence</i>
Abbie Howard Keith	<i>Putnam, Ct.</i>
Marjorie Kent	<i>Providence</i>
Audrey Lydia Lake	<i>Fall River, Mass.</i>
Cora Ella Medbury	<i>Providence</i>
Caroline Battelle Phillips	<i>Providence</i>
Alice Manchester Potter	<i>Providence</i>
Alice Ethel Presbrey	<i>Providence</i>
Mary Beulah Sheldon	<i>Providence</i>
Fannie Whittlesey Shore	<i>Pawtucket</i>
Lydia Ann Slade	<i>Fall River, Mass.</i>
Marjorie Whitney Stevens	<i>Providence</i>
Beatrice Anna Sturdy	<i>Providence</i>
Mabel Winifred Tourtellot	<i>Providence</i>
Laura Ellen Webster	<i>Providence</i>
Hannah Grace Welsh	<i>Warren</i>
Mary Evelyn Whelan	<i>Fall River, Mass.</i>
Mary Harkness White	<i>Providence</i>
Emilie Marie Louise Wildprett	<i>Providence</i>

FRESHMEN: CLASS OF 1909

NAME	RESIDENCE
Anna Charlotte Anderson	<i>Howard</i>
Carrie Ethel Baker	<i>Mystic, Ct.</i>
Mattie Lucina Beattie	<i>Coös, N. H.</i>
Lucile Murray Blanchard	<i>Uxbridge, Mass.</i>
Agnes Gertrude Brown	<i>Providence</i>
Hattie Elizabeth Brown	<i>Attleboro, Mass.</i>
Hazel McCrum Buckey	<i>Central Falls</i>
Ada Irene Burton	<i>Pawtucket</i>
Nettie Louise Butler	<i>Providence</i>
Anna Clarke Carpenter	<i>Manton</i>
Elizabeth Anne Cavanagh	<i>Providence</i>
Harriet Mildred Chapin	<i>Barrington</i>
Helen Frances Crawshaw	<i>Providence</i>
Florence Alice Crossley	<i>Providence</i>
Mary Crowell	<i>Warren</i>
Charlotte Christabell Delaney	<i>Pawtucket</i>
Ruth Augusta Dexter	<i>Central Falls</i>
Mildred Diman	<i>Contoocook, N. H.</i>
Elizabeth Mary Eaton	<i>Grasmere, N. H.</i>
Frances Foster	<i>Providence</i>
Marguerite Grace Frost	<i>Providence</i>
Irma Alida Gyllenberg	<i>Providence</i>
Esther Elvira Grover	<i>Attleboro, Mass.</i>
Ellyn Marguerite Hague	<i>Cumberland Hill</i>
May Winsor Hall	<i>North Providence</i>
Ella Grace Hartman	<i>Providence</i>
Della Hayden	<i>Pawtucket</i>
Mabel Irene Hinton	<i>Plainville, Mass.</i>
Agnes Jonas	<i>Providence</i>
Margaret Kenney	<i>Providence</i>
Florence Alicia Kennon	<i>Providence</i>
Irene Lydia Laraway	<i>Providence</i>
Emma Dunham Lee	<i>Newport</i>
Nellie Livingston	<i>Hornellsville, N. Y.</i>
Alice Scott Maile	<i>Los Angeles, Cal.</i>
Gertrude May Marble	<i>Attleboro, Mass.</i>
Bessie Louise Mayo	<i>Milton, N. H.</i>
Louise McNerney	<i>Attleboro, Mass.</i>
Elise Emeline McCausland	<i>Providence</i>
Margaret Julia Morgan	<i>Providence</i>
Maude Bixby Nichols	<i>Providence</i>

NAME	RESIDENCE
Mary Loretta O'Brien	<i>Warren</i>
Ethel Fanning Riley	<i>Providence</i>
Cora Collette Robinson	<i>Providence</i>
Josephine Thomson Sackett	<i>Providence</i>
Myra Melissa Sampson	<i>Fall River, Mass.</i>
Annie Martha Sanders	<i>Bristol, N. H.</i>
Irma Pearl Schwarzkopf	<i>Providence</i>
Margaret Bingham Stillwell	<i>Providence</i>

SPECIAL STUDENTS

Florence Beck	<i>Providence</i>
Edith Abigail Cate	<i>Providence</i>
Ethel Congdon Colley	<i>Providence</i>
Laura Elizabeth Cooke	<i>Providence</i>
Elizabeth Crist	<i>Providence</i>
Elizabeth Day	<i>Providence</i>
Bertha Mabel Dean	<i>Providence</i>
Katherine Fanning	<i>Providence</i>
Sadie Edna Fearney	<i>Providence</i>
Anna Irene Finklestein	<i>Providence</i>
Eva Belle Fletcher	<i>Providence</i>
Lillie Etta Fraser	<i>Providence</i>
Irma Smith Gibb	<i>Attleboro, Mass.</i>
Mabel Eunice Guile	<i>Providence</i>
Katherine Carver Gurney	<i>Providence</i>
Helen Hatch	<i>Providence</i>
May Kennedy	<i>Providence</i>
Marion Elizabeth King	<i>Chelsea, Mass.</i>
Rosa Mason	<i>Mathews, Va.</i>
Harriet Bennett Munro	<i>Bristol</i>
Flora Anna Nass	<i>Providence</i>
Lillian May Osler	<i>Providence</i>
Rowena Elizabeth Pierce	<i>Providence</i>
Alice Gertrude Reynolds	<i>Stoughton, Mass.</i>
Louise Bertha Schweitzer	<i>Providence</i>
Isabelle Douglas Scott	<i>Providence</i>
Bina May Shorey	<i>Providence</i>
Marjorie Snell	<i>Providence</i>
Ruth Byron Wheelock	<i>East Greenwich</i>

SUMMARY OF STUDENTS

UNDERGRADUATE MEN

Seniors	129
Juniors	113
Sophomores	115
Freshmen	238
Special Students	54
Total	<hr/> 649

THE WOMEN'S COLLEGE

Seniors	39
Juniors	38
Sophomores	41
Freshmen	49
Special Students	29
Total	<hr/> 196

GENERAL SUMMARY

Graduates	92
Undergraduate Men	649
Women's College	196
	<hr/> 937
Deduct for names counted twice	2
Total	<hr/> 935

APPENDIX

THE BROWN UNIVERSITY TEACHERS' BUREAU

THE Brown University Teachers' Bureau has been established for the purpose of communicating with institutions desiring to employ graduates of Brown as teachers. To this end it solicits correspondence with those who are seeking well equipped teachers, and invites inspection of the list of such teachers now registered. It advises graduates of Brown who wish its assistance to register at once, and, if possible, to meet the Secretary in a personal interview. It offers to undergraduates information as to subjects in which there is a demand for teachers, as to positions commonly open to recent graduates, and as to the preparation usually required. No charge for the services of the Bureau is made either to students or to schools. It is the further purpose of the Bureau to foster coöperation between the University and all graduates engaged in the work of education. As far as possible an accurate register of the addresses and the positions of all such graduates is kept. The office of the Secretary, Professor WALTER BALLOU JACOBS, is in the Administration Building, Room 10.

THE BROWN UNIVERSITY TEACHERS' ASSOCIATION

The Brown University Teachers' Association was organized in 1903. The purpose of the Association is "first, to further the mutual interests of Brown University and the schools preparing students therefor; and second, to promote the welfare of the Alumni of the University who are teachers."

The third annual meeting of the Association was held in Manning Hall on Friday and Saturday, March 3 and 4, 1905. The general subject for discussion was "Classical Studies."

OFFICERS FOR THE YEAR 1905-6

President

Professor WINSLOW UPTON, A.M.

1st Vice-President

DANIEL WEBSTER ABERCROMBIE, LL.D.

2d Vice-President

Professor WALTER COCHRANE BRONSON, LITT.D.

Secretary

Professor WALTER BALLOU JACOBS, A.M.

Treasurer

WILLIAM SETCHELL LEARNED, A.B.

Executive Committee

THE OFFICERS OF THE ASSOCIATION AND THE PRESIDENT OF THE UNIVERSITY,
ex officio ; CHARLES EDWARD DENNIS, PH.D. ; *Professor* JOHANNES BENONI
 EDUARD JONAS, PH.D. ; HERBERT ELMER DRAKE, A.M.

THE RHODE ISLAND ALPHA OF THE
 PHI BETA KAPPA SOCIETY

OFFICERS AND COMMITTEES 1905-6

President

WILLIAM THANE PECK, SC.D.

Vice-President

PROFESSOR WALTER GOODNOW EVERETT, PH.D.

Corresponding Secretary

PROFESSOR WALTER COCHRANE BRONSON, LITT.D.

Treasurer

ROBERT PERKINS BROWN, A.M.

Committee on Nominations

PROFESSOR HENRY BRAYTON GARDNER, PH.D., HON. DAVID SHERMAN BAKER,
 JR., A.M., HENRY FREDERIC LIPPITT, A.B., HENRY ALLEN WHITMARSH,
 A.M., M.D., GEORGE WHIPPLE PORTER, A.M.

Committee on Arrangements

WILLIAM THANE PECK, SC.D., JOSEPH EDWARD MOWRY, A.M., HON. CHARLES
 CARNEY MUMFORD, A.M.

Auditing Committee

WILLARD BROOKS TANNER, A.M., WALTER JAMES TOWNE, A.M.

Committee on New Chapters

PROFESSOR WALTER COCHRANE BRONSON, LITT.D., PROFESSOR NATHANIEL
 FRENCH DAVIS, LL.D., PROFESSOR WALTER BALLOU JACOBS, A.M.

Men elected in 1905

SENIORS

George Deacon Allison
 William Henry Camfield
 Judson Adams Crane
 Earle Bennett Cross
 Albert Averill Dowd
 Richard Thomas Garland

Charles Harvey Kingman
 Arthur Palmer May
 Sangkyu Pak
 Charles Frederick Savage
 Basil Boise Wood
 Glenn William Woodin

JUNIORS

Edgar Sheffield Brightman
 Alexander Manlius Burgess

Walter Clayton Carpenter
 Albert Whitman Claflin

JUNIORS (*continued*)

George Franklin Krause
Elmer Douglas Nickerson

George Gershon Shor
Walter Edgar Woodbury

Women elected in 1905

SENIORS

Bertha Louise Clark
Mary Louise Gay

Louisa Roberts Holt
Marion Midgley

JUNIORS

Bessie Lenore Adams
Hope Davis

Winifred Florence Chase

THE BROWN CHAPTER OF THE SOCIETY OF THE SIGMA XI

Students who have taken at least seventy-eight term hours in pure or applied science are, in their Senior year, eligible to membership in the honorary scientific society, Sigma Xi, provided that they have "given promise of marked ability in those lines of work which it is the object of the Society to promote."

OFFICERS AND COMMITTEES 1905-6

President

Professor OTIS EVERETT RANDALL, PH.D.

Vice-President

Professor HENRY PARKER MANNING, PH.D.

Recording Secretary

Professor FREDERICK SLOCUM, PH.D.

Corresponding Secretary

Professor ALBERT DAVIS MEAD, PH.D.

Treasurer

Professor JOHN EMERY BUCHER, PH.D.

Auditor

MICHAEL XAVIER SULLIVAN, PH.D.

Councillor

Professor JOHN EDWARD HILL, C.E.M., Sc.D.

Committee on Nominations

Professor ALBERT DEFOREST PALMER, JR., PH.D., Professor FREDERICK POOLE GORHAM, A.M., Professor FREDERICK SLOCUM, PH.D., Professor JOHN EMERY BUCHER, PH.D., Professor ARTHUR HORACE BLANCHARD, C.E., A.M.

Members elected in 1905

GRADUATES

Vahan Simon Babasinian, A.M.
 William Hamlin Cady, A.B.
 Victor Emmanuel Emmel, Sc.M.

Philip Bardwell Hadley, Ph.B.
 George Barrows Obear, Sc.B.

UNDERGRADUATES

Arthur Robert Brown
 Frank Arthur Burr
 Raymond Davis Cady
 Herbert Franklin Davison

Ray Palmer Hovey
 Frank William Stephens
 Niles Westcott

THE ASSOCIATED ALUMNI

OFFICERS AND COMMITTEES 1905-6

President

JAMES WINCHELL COLEMAN ELY, M.D., Providence, R. I.

Vice-Presidents

HON. SAMUEL COFFIN EASTMAN, LL.B., Concord, N. H.
 HON. ARTHUR LEWIS BROWN, LL.B., Providence, R. I.

Secretary

GEORGE GRAFTON WILSON, PH.D., Providence, R. I.

Treasurer

ROBERT WENDELL TAFT, PH.B., Providence, R. I.

Executive Committee

HORACE GEORGE MILLER, M.D., WILLIAM HOWARD SWEETLAND, A.M., ALBERT ALLISON BAKER, A.B., EDWARD HARRIS RATHBUN, A.B., SEEGER EDWARDS, LL.B.

Advisory Committee

GEORGE GRAFTON WILSON, PH.D., ALFRED BERTRAND MEACHAM, A.B., GEORGE FREMONT BEAN, LL.B., FRANK LINCOLN MORSE, A.M., WILLIAM HENRY BENNETT, M.D., WILLIAM BURDICK, A.B., JOHN ARTHUR CLOUGH, PH.B.

ALUMNI ASSOCIATIONS

BOSTON

President, J. E. Leach, '74; *Vice-President*, G. E. Horr, '76; *Secretary*, G. F. Bean, '81; *Treasurer*, F. W. Woodcock, '91; *Executive Committee*: Joseph Walker, '87; E. A. Hicks, '91; E. H. Johnson, '91; C. H. Lingham, '97; F. W. Murphy, '99.

NEWPORT

President, W. P. Buffum, '79; *First Vice-President*, H. M. Stone, '92; *Second Vice-President*, J. B. Diman, '85; *Secretary and Treasurer*, William Burdick, '93;

Executive Committee: B. F. Thurston, '80; C. A. Carr, '87; F. M. Hammett, '80.

WOONSOCKET

President, M. L. B. Sweatt, Ex. '98; *Vice-President*, A. F. Ballou, '97; *Secretary*, F. E. Whitaker, '88; *Treasurer*, J. E. Brown, Ex. '01; *Executive Committee*: F. H. Spear, '91; E. H. Rathbun, '89; F. E. McFee, '75.

FALL RIVER

President, E. B. Durfee, '84; *Vice-President*, A. I. Connell, '87; *Secretary*, J. P. Gage, '92; *Treasurer*, J. R. Ferguson, '94; *Executive Committee*: C. B. Luther, '83; J. H. Lindsey, '92; G. C. Hatheway, '99.

WORCESTER COUNTY

President, R. W. Greene, '83; *Clerk and Treasurer*, J. A. Clough, '99; *Executive Committee*: G. A. Gordon, '95; G. A. Gaskill, '98; G. R. Hazard, '94; C. L. Nichols, '72; F. H. Staples, '94.

CONNECTICUT VALLEY

President, M. S. Johnson, '70; *Vice-President*, J. L. Howard, h. '94; *Secretary and Treasurer*, R. W. Stoddard, '00; *Executive Committee*: P. S. Moxom, h. '92; C. P. Brunsen, '88; J. W. Hastings, '76; M. M. Johnson, '70; R. W. Stoddard, '00.

NEW YORK CITY

President, N. S. Dike, '85; *Vice-President*, J. M. Duane, '72; *Secretary*, A. B. Meacham, '96; *Treasurer*, W. R. Dorman, '92; *Board of Governors*: Arthur Lincoln, '70; J. B. F. Herreshoff, '70; S. H. Ordway, '80; C. E. Hughes, '81; H. C. Bumpus, '84; Gardner Colby, '87.

CENTRAL NEW YORK

President, F. R. Hazard, '81; *Vice-President*, J. S. Fox, '94; *Secretary and Treasurer*, W. G. Bullard, '92.

ROCHESTER

President, C. A. Barbour, '88; *Secretary and Treasurer*, H. C. Peepels, '81.

PHILADELPHIA

President, F. B. Greene, '72; *First Vice-President*, H. K. Porter, '60; *Second Vice-President*, Jefferson Shiel, '82; *Secretary*, W. H. Bennett, h. '84; *Treasurer*, Frank Mauran, '85; *Executive Committee*: H. P. Dormon, '96; J. B. Porter, '90; P. T. Fort, Ex. '95.

MARYLAND AND DISTRICT OF COLUMBIA

President, A. M. Quick, '87; *Vice-President*, H. E. Day, '93; *Secretary and Treasurer*, J. H. Olcott, '72; *Executive Committee*, R. H. Paine, '65; W. A. Slade, '98; A. R. Nichols, '96.

CLEVELAND

President, J. H. Hoyt, '74; *Vice-President*, E. L. Thurston, '81; *Secretary and Treasurer*, F. P. Whitman, '74; *Executive Committee*: N. S. Calhoun, '79; J. S. Greene, '82; C. G. King, Jr., '84.

CINCINNATI

President, E. W. Coy, '58; *Vice-President*, W. H. Pabodie, '55; *Secretary*, S. W. Smith, Jr., '80.

CHICAGO

President, J. B. Thomas, '76; *Vice-President*, F. W. Shepardson, '83; *Secretary and Treasurer*, F. L. Morse, '86.

ST. LOUIS

President, D. S. H. Smith, '62; *Secretary*, A. L. Abbott, '80; *Treasurer*, J. B. Edwards, '96.

COLORADO

President, F. E. Brooks, '83; *Treasurer*, S. L. Caldwell, '75; *Secretary*, C. P. Bennett, '79.

CALIFORNIA

President, N. B. Blaisdell, '83; *Secretary*, M. A. Newell, Ex. '84.

TABLE SHOWING RENT AND LOCATION OF DORMITORY ROOMS

HOPE COLLEGE

<i>No.</i>	<i>Division</i>	<i>Floor</i>	<i>Windows face</i>	<i>Bedrooms</i>	<i>Rent</i>
1	South	1	E. & S.	There are no separate bedrooms, but Nos. 1 and 2, 5 and 6, 9 and 10, 35 and 36, 39 and 40, 43 and 44, can be used either as suites or as single rooms.	\$126
2	"	"	W. & S.		132
3	"	"	W.		126
4	"	"	E.		123
5	"	2	E. & S.		126
6	"	"	W. & S.		132
7	"	"	W.		126
8	"	"	E.		123
9	"	3	E. & S.		117
10	"	"	W. & S.		123
11	"	"	W.		117
12	"	"	E.		111
13	"	4	E. & S.		111
14	"	"	W. & S.		117
15	"	"	W.		111
16	"	"	E.		108
17	Middle	1	E.		123
18	"	"	W.		126
19	"	"	W.		126
20	"	"	E.		123
21	"	2	E.		123
22	"	"	W.		126
23	"	"	W.		126
24	"	"	E.		123
25	"	3	E.		111
26	"	"	W.		117
27	"	"	W.		117
28	"	"	E.		111
29	"	4	E.		108
30	"	"	W.		111
31	"	"	W.		111
32	"	"	E.		108
33	North	1	E.		123
34	"	"	W.		126
35	"	"	W.		138
36	"	"	E.		138
37	"	2	E.		123
38	"	"	W.		126
39	"	"	E. & N.		138
40	"	"	E. & N.		138
41	"	3	W.		111
42	"	"	W.		117
43	"	"	W. & N.		126
44	"	"	E. & N.		126
45	"	4	E.		108
46	"	"	W.		111
47	"	"	W. & N.		117
48	"	"	E. & N.		117

BROWN UNIVERSITY
UNIVERSITY HALL

No.	Division	Floor	Windows face	Bedrooms	Rent
4	South	1	W.	None	\$130
10	"	2	S. & W.	2	250
12	"	"	W.	None	115
13	"	"	W.	"	115
16	"	"	E.	"	100
17	"	"	E.	"	106
18	"	"	E. & S.	"	133
19	"	3	S. & W.	2	240
21	"	"	W.	None	112
22	"	"	W.	"	112
25	"	"	E.	"	100
26	"	"	E.	"	100
27	"	"	E. & S.	"	121
28	"	4	S. & W.	2	220
30	"	"	W.	None	100
31	"	"	W.	"	100
32	"	"	E.	"	115
33	"	"	E.	"	97
34	"	"	E. & S.	"	121
36	North	1	W.	"	130
38	"	"	E.	"	130
40	"	2	W.	"	115
41	"	"	W.	"	115
43	"	"	W. & N.	2	250
44	"	"	E. & N.	None	121
45	"	"	E.	"	106
46	"	"	E.	"	106
47	"	3	W.	"	106
48	"	"	W.	"	106
50	"	"	W. & N.	2	240
51	"	"	E. & N.	None	115
52	"	"	E.	"	100
53	"	"	E.	"	100
54	"	4	W.	"	100
55	"	"	W.	"	100
57	"	"	W. & N.	2	210
58	"	"	E. & N.	None	115
59	"	"	E.	"	97
60	"	"	E.	"	97

MAXCY HALL

<i>No.</i>	<i>Floor</i>	<i>Windows face</i>	<i>Rent</i>
201	2	E.	\$140
202	"	"	140
203	"	E. & S.	140
204	"	W. & S.	135
205	"	W.	135
206	"	"	135
207	"	"	135
208	"	"	135
209	"	W. & N.	135
210	"	E. & N.	140
211	"	E.	140
212	"	"	140
313	3	"	140
314	"	"	140
315	"	E. & S.	140
316	"	W. & S.	135
317	"	W.	135
318	"	"	135
319	"	"	135
320	"	"	135
321	"	W. & N.	135
322	"	E. & N.	140
323	"	E.	140
324	"	"	140
425	4	"	140
426	"	"	140
427	"	E. & S.	140
428	"	W. & S.	135
429	"	W.	135
430	"	"	135
431	"	"	135
432	"	"	135
433	"	W. & N.	135
434	"	E. & N.	140
435	"	E.	140
436	"	"	140

COLLEGE STREET HOUSE

1	2	E.	100
2	"	W. & N.	125
3	"	E. & S.	150
4	"	S. & W.	140
5	"	S.	100

BROWN UNIVERSITY

SLATER HALL

<i>No.</i>	<i>Division</i>	<i>Floor</i>	<i>Windows face</i>	<i>Bedrooms</i>	<i>Rent</i>
1	South	1	E. S. & W.	2	\$260.00
2	"	"	E. & W.	1	200.00
3	"	2	E. S. & W.	2	260.00
4	"	"	E. & W.	2	245.00
5	"	3	E. S. & W.	2	250.00
6	"	"	E. & W.	2	245.00
7	"	4	E. S. & W.	1	175.00
8	"	"	W.	1	194.00
9	"	"	"	"	194.00
10	North	1	E. & W.	2	269.50
11	"	"	E. W. & N.	2	269.50
12	"	2	E. & W.	2	269.50
14	"	"	W. N. E.	2	286.00
15	"	3	W. & E.	2	264.00
17	"	"	W. N. E.	2	275.00
18	"	4	E. & W.	1	206.80
19	"	"	"	"	206.80
20	"	"	W. N. E.	1	176.00

CASWELL HALL

1	North	1	E. N. & W.	1	\$425
2	"	"	E. & W.	1	400
3	"	2	E. N. & W.	2	425
4	"	"	E. & W.	2	400
5	"	3	E. N. & W.	2	425
6	"	"	E. & W.	2	400
7	"	4	E. & N.	<i>None</i>	195
8	"	"	W. & N.	"	195
9	"	"	W.	"	165
10	"	"	E.	"	165
11	Middle	1	"	"	175
12	"	"	W.	"	175
13	"	"	"	"	175
14	"	"	E.	"	175
15	"	2	"	"	185
16	"	2	W.	"	185
17	"	"	"	"	185
18	"	"	E.	"	185
19	"	3	"	"	185
20	"	"	W.	"	185
21	"	"	"	"	185
22	"	"	"	"	185
23	"	4	E.	"	165
24	"	"	W.	"	165
25	"	"	"	"	165
26	"	"	E.	"	165
27	South	1	E. & W.	1	400
28	"	1	E. S. & W.	1	425

CASWELL HALL (*continued*)

<i>No.</i>	<i>Division</i>	<i>Floor</i>	<i>Windows face</i>	<i>Bedrooms</i>	<i>Rent</i>
29	South	2	E. & W.	2	400
30	"	"	E. S. & W.	2	425
31	"	3	E. & W.	2	400
32	"	"	E. S. & W.	2	425
33	"	4	E.	<i>None</i>	165
34	"	"	W.	"	165
35	"	"	W. & S.	"	195
36	"	"	E. & S.	"	195

DIRECTORY TO THE DORMITORIES

College Street House, Rooms 1 to 5.

Hope College, South Division, Rooms 1 to 16.

Hope College, Middle Division, Rooms 17 to 32.

Hope College, North Division, Rooms 33 to 48.

Maxcy Hall, Rooms 201 to 436.

Slater Hall, South Division, Rooms 1 to 9.

Slater Hall, North Division, Rooms 10 to 20.

University Hall, South Division, Rooms 1 to 34.

University Hall, North Division, Rooms 35 to 61.

Caswell Hall, North Division, Rooms 1 to 10.

Caswell Hall, Middle Division, Rooms 11 to 26.

Caswell Hall, South Division, Rooms 27 to 36.

DIRECTORY OF OFFICERS AND STUDENTS

Addresses given are in Providence, unless otherwise stated. If an officer is on leave of absence for the year, his name is bracketed. The following abbreviations are used: *Fr.* = Freshman; *So.* = Sophomore; *Jr.* = Junior; *Sr.* = Senior; *Sp.* = Special Student; *Gr.* = Graduate Student; *W.* = Women's College; *J. C. B. L.* = John Carter Brown Library.

ABERCROMBIE, D. W., <i>Trustee</i>	Worcester Academy,	Worcester, Mass.
Achenbach, C. S., <i>Fr.</i>		Hope 15
Adams, B. L., <i>W. Sr.</i>		River Point, R. I.
ADAMS, Miss J. R., <i>Instructor, Women's College</i>		30 Congdon St.
Adams, M. L., <i>W. Jr.</i>		133 Mitchell St.
Adams, W., <i>Fr.</i>		University 43
Affleck, M. H. S., <i>Jr.</i>		4 Manning St.
Alger, J. H., <i>Fr.</i>		Maxcy 432
Allen, D. J., <i>So.</i>		Hope 6
Allen, L. B., <i>W. Jr.</i>		76 Pitman St.
ALLINSON, Mrs. A. C. E., <i>Advisory Council, W.</i>		163 George St.
[ALLINSON, F. G.], <i>Professor</i>		163 George St.
Anderson, A. C., <i>W. Fr.</i>		Howard, R. I.
Anderson, F. M., <i>Jr.</i>		University 13
ANDERSON, T. D., <i>Secretary of the Corporation</i>		
	379 State St.,	Albany, N. Y.
Andrews, R. H., <i>Sp.</i>		Slater 4
Angell, W. H., <i>Sr.</i>	33 Sea View Ave.,	Pawtuxet, R. I.
Appleton, A., <i>W. Sr.</i>		209 Angell St.
APPLETON, J. H., <i>Professor</i>		209 Angell St.
APPLETON, W. D., <i>Assistant</i>		209 Angell St.
Armstrong, Miss J. S., <i>Gr.</i>	563 Pawtucket Ave.,	Pawtucket, R. I.
ARNOLD, Dr. JEANNIE O., <i>Medical Examiner, W.</i>		101 Brown St.
ASHLEY, E. L., <i>Assistant</i>		Foxboro, Mass.
Ashworth, M. C., <i>W. Sr.</i>		1350 Elmwood Ave.
ATWATER, R. M., <i>Trustee</i>	8 Rue Dufrenoy,	Paris, France
Atwell, W. B., <i>Gr.</i>		Hebronville, Mass.
Austin, M. C., <i>W. Sr.</i>		10 Hammond St.
Austin, R. S., <i>Jr.</i>		54 College St.
Ayer, T. P., <i>Fr.</i>		62 College St.
Ayler, H. R., <i>Fr.</i>		82 Bates St.

B ABASINIAN, V. S., <i>Instructor</i>	Rogers Hall
Babcock, F. H., <i>Jr.</i>	126 Waterman St.
Babcock, G. W., <i>Fr.</i>	Maxcy 324
Babcock, H. P., <i>Fr.</i>	4 Manning St.
Bailey, E. S., <i>Sp.</i>	Brunonia 3
Bailey, G. E., <i>Sr.</i>	Hope 42
BAILEY, W. W., <i>Professor</i>	6 Cushing St.
Baker, C. E., <i>W. Fr.</i>	48 Pekin St.
Baker, O. C., <i>Fr.</i>	University 10
Ballou, W. J., <i>Gr.</i>	Hudson, N. H.
Banfield, F. E., <i>Jr., Sr.</i>	Hope 43
Bannan, J. T., <i>Jr.</i>	313 Prairie Ave.
Bannon, L. M., <i>Fr.</i>	Maxcy 208
Barbour, H. M., <i>Sr.</i>	100 Waterman St.
BARBOUR, T. S., <i>Trustee</i>	<i>Tremont Temple, Boston, Mass.</i>
Barnicoat, J. T., <i>Jr.</i>	577 Prairie Ave.
Barr, E. A., <i>W. Sr.</i>	117 Howell St.
Barrett, H. L., <i>Fr.</i>	Slater 8
BARUS, Mrs. A. H., <i>Advisory Council, W.</i>	30 Elmgrove Ave.
BARUS, C., <i>Professor, Dean of the Graduate Department</i>	30 Elmgrove Ave.
Bass, A. M., <i>W. Jr.</i>	66 Benefit St.
Bassford, A. F., <i>Sr.</i>	117 Bridgham St.
Bathey, L. B., <i>Gr.</i>	<i>31½ Grove St., Fall River, Mass.</i>
Baylies, S. H., <i>W. Sr.</i>	34 Pratt St.
Beattie, F. S., <i>Jr.</i>	Hope 48
Beattie, M. L., <i>W. Fr.</i>	53 Elton St.
Beck, F., <i>W. Sp.</i>	1017 Smith St.
Beckwith, I. J., <i>Gr.</i>	<i>38 Trevor Hall, Rochester, N. Y.</i>
Beeber, S. J., <i>So.</i>	Maxcy 318
Beitenman, Miss F. B., <i>Gr.</i>	42 Angell St.
Bellows, S. R., <i>Sr.</i>	Slater 18
BENEDICT, G. W., <i>Assistant Professor</i>	16 John St.
Bennett, C. B., <i>Sr.</i>	113 East Manning St.
Berthold, R. W., <i>Sr.</i>	64 College St.
Beytes, L. H., <i>Fr.</i>	Maxcy 315
Bichwit, W., <i>Fr.</i>	7 West Park St.
Bitting, W. C., <i>So.</i>	54 College St.
Blackburn, L. A., <i>W. Jr.</i>	<i>70 Washington St., Central Falls, R. I.</i>
Blaine, A. M., <i>W. So.</i>	66 Benefit St.
BLANCHARD, A. H., <i>Assistant Professor</i>	31 East George St.
Blanchard, L. M., <i>W. Fr.</i>	66 Benefit St.
Blessing, A. M., <i>W. Jr.</i>	232 Pearl St.
Boardman, J., <i>Jr.</i>	14 Thayer St.

- Boas, R. P., *So.*
 Bogle, I. W., *Fr.*
 Bolt, H. A., *Sr.*
 Bonn, Miss M. H., *Gr.*
 Bosworth, C. W., *Fr.*
 Bourne, L. A., *W. So.*
 Boyce, F. M., *Sp.*
 Brackett, A. C., *Fr.*
 Branch, C. R., *Jr.*
 Brant, L. C., *W. So.*
 Brant, R. E., *W. So.*
 Brayton, H. W., *Sr.*
 Brazeau, H. C., *W. Sr.*
 Brennan, E. J., *Jr.*
 Brennan, J. H., *Fr.*
 Brennan, M. A. D., *W. Sr.*
 Breslin, J. H., *Sr.*
 Brewer, J. H. A., *Jr.*
 Briggs, A. S., *Fr.*
 Briggs, C. W., *Sp.*
 Briggs, W. A., Jr., *Sr.*
 BRIGHAM, C. S., *Archivist*
 Bright, W. E., *Jr.*
 Brightman, C. L., *Fr.*
 Brightman, E. S., *Sr.*
 Bronson, Mrs. E. S., *Gr.*
 BRONSON, W. C., *Professor*
 BROOKS, A., *Assistant Professor*
 Brooks, R. F., Jr., *So.*
 Brown, A., *Sr.*
 Brown, A. D., *Sp.*
 Brown, A. G., *W. Fr.*
 BROWN, C. W., *Instructor*
 Brown, Miss E. A., *Gr.*
 Brown, Miss H. E., *Fr.*
 Brown, H. P., *Fr.*
 Brown, R., *Sr.*
 Brown, R. L., *Gr.*
 Browne, F. E., *W. So.*
 Browne, W. W., *So.*
 BROWNING, E. W., *Second Assistant Librarian*
 Bruce, A. G., *So.*
 Bruce, D. L., *Fr.*
 Bruce, H. D., *Jr.*
 Maxcy 323
 Caswell 12
 Maxcy 209
 12 Spencer St.
 Hope 6
 100 Taber Ave.
 57 Ruggles St.
 University 57
 54 College St.
 61 Wilson St.
 61 Wilson St.
 Slater 4
 310 West Ave., Pawtucket, R. I.
 81 Hope St.
 43 Bowdoin St.
 81 Hope St.
 University 50
 Hope 34
 Slater 12
 Caswell 5
 108 Evergreen St.
 95 Waterman St.
 Brunonia 5
 72 College St.
 Newport, R. I.
 232 Brown St.
 232 Brown St.
 39 Benevolent St.
 Hope 35
 54 College St.
 Hope 25
 26 Rhode Island Ave.
 Brunonia 6
 66 Benefit St.
 Attleboro, Mass.
 Hope 3
 Slater 8
 Phenix, R. I.
 12 Arch St.
 Caswell 25
 Hope 8
 University 31
 Hope 10
 100 Waterman St.

BUCHER, J. E., <i>Associate Professor</i>	35 Humboldt Ave.
Buck, L. G., <i>Sr.</i>	Maxcy 317
Buckey, H. M., <i>W. Fr.</i>	119 Cross St.
Buckley, G. A., <i>Jr.</i>	University 16
Buddington, O. W., <i>So.</i>	Hope 30
Budlong, F. R., <i>Fr.</i>	89 Governor St.
Buffum, W. P., <i>Jr., Fr.</i>	Slater 11
Bugbee, R. G., <i>Sr.</i>	University 41
Bugbee, S. R., <i>Fr.</i>	University 41
BUMPUS, H. C., <i>Fellow</i>	
<i>American Museum of Natural History, New York, N. Y.</i>	
Bumstead, C. Van R., <i>Gr. University of Pennsylvania,</i>	Philadelphia, Pa.
Bunker, J. W. M., <i>Fr.</i>	Caswell 26
Burbank, P., <i>Fr.</i>	Caswell 6
Burbank, R. T., <i>So.</i>	Caswell 6
Burge, D. B., <i>W. Fr.</i>	184 Albert Ave.
Burgess, A. M., <i>Sr.</i>	54 College St.
Burgess, R. W., <i>Fr.</i>	Hope 46
BURLINGAME, E. A., <i>Supt. Grounds and Buildings</i>	359 Brook St.
Burnham, G. E., <i>Jr.</i>	Hope 26
BURNHAM, J. M., <i>Assistant Librarian</i>	60 Stewart St.
Burnham, W. H., <i>So.</i>	Caswell 4
Burnham, W. P., <i>Jr.</i>	University 56
BURR, F. A., <i>Assistant</i>	Seekonk, Mass.
BURRAGE, H. S., <i>Fellow</i>	Togus, Me.
Burrill, C. S., <i>W. Sr.</i>	Pawtuxet Neck, R. I.
Burton, A. I., <i>W. Fr.</i>	1121 Maine St.
Burton, E. A., <i>Fr.</i>	6 DeFoe Place
Burton, W. W., <i>Jr.</i>	Hope 8
Bushell, A. W., <i>Jr.</i>	Hope 16
Bushnell, L. E., <i>So.</i>	Hope 9
Buss, R., <i>Fr.</i>	Hope 31
Butler, H. M., <i>Sr.</i>	Caswell 19
Butler, K. L., <i>Fr.</i>	Maxcy 201
Butler, N. L., <i>W. Fr.</i>	312 Public St.
Butler, W. H., <i>Fr.</i>	87 Congdon St.
Butterworth, C. F., <i>Fr.</i>	Maxcy 212
Butterworth, E. C., <i>W. Sr.</i>	34 Pratt St.
CADY, H. D., <i>Instructor</i>	Warren, R. I.
CADY, R. D., <i>Assistant</i>	155 Shaw Ave., Edge-
Cameron, H. F., <i>Fr.</i>	Hope 20 [wood, R. I.
Campbell, F. M., <i>Jr.</i>	University 50
Campbell, G., <i>Jr.</i>	Hope 11

Campbell, G. H., <i>Fr.</i>	43 Moore St.
Canfield, J. G., <i>Fr.</i>	35 South Angell St.
Carder, E. C., <i>Fr.</i>	Hope 4
Carley, E. K., <i>Fr.</i>	Maxcy 205
Carnes, M. A., <i>W. Jr.</i>	281 Williams St.
Carpenter, A. C., <i>W. Fr.</i>	Manton, R. I.
Carpenter, H. G., <i>Sr.</i>	University 27
Carpenter, W. C., <i>Sr.</i>	Hope 27
Carret, F. W., <i>Fr.</i>	Maxcy 428
Carroll, G. W., Jr., <i>Fr.</i>	4 Manning St.
Carty, T. L., <i>Sp.</i>	Hope 45
Case, M. W., <i>W. Jr.</i>	53 Grove St.
Case, N. S., <i>So.</i>	Hope 40
Cate, E. A., <i>W. Sp.</i>	158 Elmwood Ave.
Cavanagh, E. A., <i>W. Fr.</i>	12 Canton St.
CHACE, A. B., <i>Trustee</i>	324 Angell St.
Chace, A. M., <i>Fr.</i>	University 34
CHACE, J., <i>Trustee</i>	Valley Falls, R. I.
Chaffee, E. E., <i>W. Sr.</i>	38 Russell Ave., East Providence, R. I.
Chafee, Z., Jr., <i>Jr.</i>	54 College St.
Chambers, R. F., <i>Fr.</i>	Slater 5
Champlin, M. D., <i>Fr.</i>	Slater 20
Chandler, E. L., <i>Fr.</i>	Hope 38
Chandler, H. E., <i>Sr.</i>	Maxcy 434
Chapin, H. M., <i>So.</i>	54 College St.
Chapin, H. M., <i>W. Fr.</i>	Barrington, R. I.
Chappell, C. R., <i>Sr.</i>	Hope 27
Chase, N. G., <i>Fr.</i>	Hope 39
Chase, P. P., <i>Sr.</i>	54 College St.
Chase, W. F., <i>W. Sr.</i>	34 Pratt St.
Cheney, G. W., <i>Jr.</i>	University 10
Chichester, F. I., <i>So.</i>	Slater 17
Childs, F. H., <i>Sr.</i>	Slater 3
Childs, G. M., <i>W. So.</i>	66 Benefit St.
Chipman, P. L., <i>Fr.</i>	University 19
Church, C. R., <i>Fr.</i>	University 26
Church, J., Jr., <i>Fr.</i>	Maxcy 212
Church, Miss M. D., <i>Gr.</i>	Bristol, R. I.
Clafin, A. W., <i>Sr.</i>	Hope 33
Clark, A., <i>W. Sr.</i>	66 Benefit St.
Clark, D. G., <i>Fr.</i>	Hope 19
Clark, G. M., <i>W. Jr.</i>	43 East George St.
Clark, H. G., <i>So.</i>	Slater 20
Clark, H. W., <i>Sp.</i>	208 Williams St.

Clark, P. F., <i>Gr.</i>	Rhode Island Hall
CLARK, T., <i>Assistant Registrar</i>	153 Benefit St.
CLARKE, B. F., <i>Professor Emeritus</i>	89 Brown St.
Clarke, R. B., <i>So.</i>	Caswell 11
Clifford, J. M., <i>Sr.</i>	31 Grape St.
Clough, H. D., <i>So.</i>	Maxcy 426
Cobb, H. A., <i>Fr.</i>	54 College St.
Cocroft, R. B., <i>Fr.</i>	59 Pitman St.
Coffin, B. G., <i>W. So.</i>	34 Pratt St.
Coffin, I. H., <i>Fr.</i>	Maxcy 425
Coker, R., <i>Fr.</i>	Hope 3
COLBURN, G. B., <i>Assistant</i>	117 Waterman St.
COLBY, G., <i>Trustee</i>	7 Wall St., New York, N. Y.
Cole, E. R., <i>W. So.</i>	Warren, R. I.
Cole, M. S., <i>W. Jr.</i>	50 Keene St.
Colley, E. C., <i>W. Sp.</i>	312 California Ave.
Collins, C. A., Jr., <i>Fr.</i>	33 Angell St.
COLLINS, G. L., <i>Trustee</i>	223 Benefit St.
Collins, H. W., <i>Jr.</i>	University 26
COLLINS, J. F., <i>Assistant Professor</i>	468 Hope St.
Colmetz, R. A., <i>Fr.</i>	118 Rutherglen Ave.
Compton, S. E., <i>Jr.</i>	University 58
Congdon, H. W., <i>Sr.</i>	University 18
Conklin, E. B., <i>So.</i>	Hope 37
Conley, R. P., <i>Sp.</i>	Slater 4
Connell, W. M., <i>Sp.</i>	7 Henry St., Edgewood,
Connell, C. C., <i>Fr.</i>	Maxcy 319 [R. I.]
Connolly, J. G., <i>Fr.</i>	42 Cleveland St., Pawtucket, R. I.
Conroy, W. M., <i>Fr.</i>	Maxcy 324
Conyers, H., <i>So.</i>	904 Cranston St.
Cook, H. F., <i>Fr.</i>	Maxcy 319
Cook, J. O., <i>Sr.</i>	Hope 23
Cooke, L. E., <i>W. Sp.</i>	134 Congdon St.
Cooney, J. J. A., <i>So.</i>	University 36
Cooper, G. A., <i>Sr.</i>	90 Congdon St.
Corcoran, G. B., <i>Sr.</i>	Maxcy 316
Cordery, C. L., <i>So.</i>	Hope 20
Corp, H. W., <i>Jr.</i>	Caswell 24
Cory, H. E., <i>Sr.</i>	51 Arch St.
Coss, B. C., <i>Fr.</i>	Maxcy 431
Covell, P. B., <i>Fr.</i>	University 54
COVELL, Mrs. M. E. C., <i>Assistant Librarian, J. C. B. L.</i>	127 Benefit St.
Cowell, F. B., <i>Sp.</i>	University 36
Crapo, B. M., <i>W. Jr.</i>	32 Vernon St.

Crapon, E. R., <i>W. Jr.</i>	41 Charles Field St.
Crawshaw, H. F., <i>W. Fr.</i>	121 Whittier Ave.
Crist, E., <i>W. Sp.</i>	125 Governor St.
Cristy, A. M., <i>Fr.</i>	102 Wayland Ave.
CROSHY, T., <i>Assistant Professor</i>	Brunonia 7
Cross, E. B., <i>Gr.</i>	80 Olney St.
Cross, Miss M. W., <i>Gr.</i>	80 Olney St.
Crossley, F. A., <i>W. Fr.</i>	1428 Broad St.
Crouch, J. R., <i>Gr.</i>	Asheville, N. C.
CROWELL, A. C., <i>Associate Professor</i>	345 Hope St.
Crowell, M., <i>W. Fr.</i>	59 Keene St.
Cubberly, H. B., <i>Jr.</i>	Hope 44
Curley, R. S., <i>Jr.</i>	Brunonia 10
Curran, J. L., <i>Jr.</i>	10 Burnside St.
CURRIER, C. H., <i>Instructor</i>	University 17
Curtis, H. R., <i>Fr.</i>	675 Broadway
Curtis, M. S., <i>Jr.</i>	University 52
Cushing, F. S., <i>Sr.</i>	University 27
DAMON, L. T., <i>Professor</i>	125 Lloyd Ave.
Davis, G. W., <i>So.</i>	99 Taber Ave.
Davis, H., <i>W. Sr.</i>	64 Keene St.
Davis, J. W., <i>Sr.</i>	University 46
DAVIS, N. F., <i>Professor</i>	159 Brown St.
Day, E., <i>W. Sp.</i>	39 Princeton Ave.
DEALEY, J. Q., <i>Professor</i>	872 Hope St.
Dean, B. M., <i>W. Sp.</i>	31 Daboll St.
Dean, J. D., <i>Fr.</i>	Slater 3
Deckard, W. W., <i>Gr.</i>	116 Gladstone St., Arlington, R. I.
DELABARRE, E. B., <i>Professor</i>	9 Arlington Ave.
Delaney, C. C., <i>W. Fr.</i>	32 Garden St., Pawtucket, R. I.
DeMerritt, E. B., <i>Sp.</i>	Caswell 8
Dennett, R. N., <i>Jr.</i>	100 Waterman St.
Dennie, F. E., <i>Fr.</i>	University 51
Densmore, A. J., <i>So.</i>	Hope 1
Densmore, G. A., <i>Fr.</i>	Hope 1
Denton, A. L., <i>Fr.</i>	Hope 13
Devenish, U. H., <i>W. Sr.</i>	10 Adelphi Ave.
Devoll, W. O., <i>Jr., Fr.</i>	Slater 1
Dexter, L. I., <i>Sr.</i>	Maxcy 210
Dexter, R. A., <i>W. Fr.</i>	46 Washington St.
Dickinson, A. W., <i>Jr.</i>	Brunonia 1
Dillon, P. E., <i>Fr.</i>	University 54
Diman, M., <i>W. Fr.</i>	194 Angell St.

Dixon, J. P., Jr., <i>Fr.</i>	Hope 12
Dodge, W. P., <i>Fr.</i>	Caswell 17
Dolt, M. L., <i>Sr.</i>	University 21
Donovan, N. V., <i>W. Jr.</i>	14 <i>Sterry St.</i> , Pawtucket, R. I.
Dorrance, H. L., <i>So.</i>	4 Manning St.
DOUGLAS, W. W., <i>Trustee</i>	121 George St.
DOUGLASS, Miss J. M., <i>Cataloguer</i>	55 Waterman St.
Dove, W. W., <i>Sp.</i>	139 Lexington Ave.
Downing, D. F., <i>Gr.</i>	53a <i>Dale St.</i> , Boston, Mass.
DOYLE, Miss S. E., <i>Advisory Council, W.</i>	119 Prospect St.
Driscoll, A. F., <i>Sr.</i>	Maxcy 316
DROWNE, H. B., <i>Instructor</i>	20 Benefit St.
Dugan, W. M., <i>Jr.</i>	Hope 3
DUMMER, R. O., <i>Assistant</i>	Maxcy 433
Dunn, A. W., <i>Fr.</i>	University 22
Eadie, L. A., <i>Fr.</i>	33 Angell St.
Easton, G. C., <i>Sp.</i>	Maxcy 433
Eaton, A. B., <i>W. So.</i>	701 Smith St.
Eaton, E. M., <i>W. Fr.</i>	66 Benefit St.
Eddy, L. C., <i>Jr.</i>	25 College St.
Eddy, Miss O. B., <i>Gr.</i>	250 Lockwood St.
Ede, H. R., <i>Fr.</i>	Brunonia 1
Edgecomb, F. A., <i>So.</i>	Hope 9
Edmonds, D. W., <i>Fr.</i>	291 Thayer St.
Edmundson, H. B., <i>Fr.</i>	Hope 3
EDWARDS, J., <i>Assistant, Ladd Observatory</i>	210 Doyle Ave.
EDWARDS, S. O., <i>Trustee</i>	181 Lloyd Ave.
Ehle, V., <i>So.</i>	28 <i>Warren Ave.</i> , Pawtucket, R. I.
Ehmke, F. H., <i>Gr.</i>	Moses Brown School
Ehmke, H. A., <i>So.</i>	Hope 18
Eley, W. H., <i>Sp.</i>	85 Wordsworth St.
Elliott, L. S., <i>Fr.</i>	Caswell 12
Ellis, G. M., <i>W. So.</i>	66 Benefit St.
Ellis, L. M., <i>W. So.</i>	7 <i>Angell St.</i> , Attleboro, Mass.
Elrod, R. L., <i>Jr.</i>	Hope 2
Emmel, V. E., <i>Gr.</i>	University 38
Englander, H., <i>Gr.</i>	181 Reynolds St.
Enos, J. S., <i>Jr.</i>	80 Carrington Ave.
Evans, N. M., <i>W. So.</i>	66 Benefit St.
Everett, K., <i>W. So.</i>	65 Charles Field St.
Everett, P. E., <i>Fr.</i>	104 <i>Cedar St.</i> , Pawtucket, R. I.
EVERETT, W. G., <i>Professor</i>	116 Governor St.
Everson, E. W., <i>Fr.</i>	Caswell 13

- Falk, L. L., *Sr.*
 Fanning, K., *W. Sp.*
 Farnum, Miss M., *Gr.*
 Farrell, E. L., *Sp.*
 FAUNCE, W. H. P., *President*
 Fearney, S. E., *W. Sp.*
 Fenn, M. E., *Fr.*
 Ferguson, J., *Sr.*
 Ferrier, J. M., *Sr.*
 Field, R. F., *Sr.*
 Finklestein, A. I., *W. Sp.*
 Flagg, A. L., *Sr.*
 Flemming, J. E., *Sr.*
 Fletcher, A. M., *So.*
 Fletcher, A. W., *Jr.*
 Fletcher, E. B., *W. Sp.*
 Follansbee, E. M. H., *Fr.*
 Ford, F., *Jr.*
 Foster, F., *W. Fr.*
 Foster, R. L., *W. So.*
 Fowler, A. G., *Sr.*
 Fowler, C., *Jr.*
 Fowler, H. E., *Fr.*
 FOWLER, H. T., *Professor*
 Fowler, L. M., *W. So.*
 Fraser, L. E., *W. Sp.*
 Frazer, A. S., *Fr.*
 French, A. W., *Jr.*
 Frost, B. R., *Fr.*
 Frost, M. G., *W. Fr.*
 Fuller, L. D., *Sr.*
 FULTON, F. T., *Instructor*
 Funk, H. C., *Jr.*
 Gager, W. M., *Fr.*
 Gallup, D. T., *Jr.*
 GAMMELL, R. I., *Trustee*
 Gardner, C., *Fr.*
 GARDNER, Dr. G. W., *University Physician*
 GARDNER, H. B., *Professor*
 GASKILL, F. A., *Fellow*
 Gates, C. I., *Gr.*
 Gathany, J. M., *Gr.*
 Gatie, B. A., *W. Jr.*
 Caswell 4
 95 Penn St.
 112 Bridgham St.
 Brunonia 9
 180 Hope St.
 370 Public St.
 University 18
 Brunonia 16
 285 Union Ave.
 25 Wilson St.
 71 Benefit St.
 Hope 24
 Hope 19
 University 42
 Hope 15
 1420 Westminster St.
 Maxey 201
 106 Bates St.
 87 Williams St.
 87 Williams St.
 Hope 17
 Slater 11
 Hope 46
 127 Lloyd Ave.
 20 Bridgham St.
 6 Hamlin St.
 286 Thayer St.
 Maxey 210
 Maxey 428
 301 Knight St.
 Caswell 6
 169 Angell St.
 Brunonia 1
 102 Kenyon St.
 Hope 46
 50 South Main St.
 Caswell 20
 263 Benefit St.
 54 Stimson Ave.
 Worcester, Mass.
 Westerly, R. I.
 Maxey 313
 New Bedford, Mass.

Gay, L. S., <i>Sr.</i>	Hope 21
Gay, Miss M. L., <i>Gr.</i>	190 Meeting St.
Geary, D. E., <i>Sr.</i>	Maxcy 316
Gibb, I. S., <i>W. Sp.</i>	24 Park Ave., Attleboro, Mass.
Gifford, H. L., <i>W. So.</i>	East Greenwich, R. I.
Gillespie, L. J., <i>So.</i>	University 55
Gilman, P. S., <i>Sr.</i>	Hope 17
Gilman, W. L., <i>Fr.</i>	Caswell 23
Ginnel, H., <i>Sp.</i>	Caswell 5
Gleason, R. R., <i>So.</i>	121 Angell St.
GODDARD, R. H. I., <i>Fellow</i>	50 South Main St.
GODDARD, W., <i>Chancellor</i>	50 South Main St.
Goff, I. N., <i>Fr.</i>	Hope 33
Goodwin, W. C., Jr., <i>Fr.</i>	Hope 12
Goodwin, W. E., <i>Fr.</i>	Maxcy 202
Gordon, E. R., <i>Jr.</i>	Hope 23
Gordon, T. W., <i>Sr.</i>	Hope 23
GORHAM, F. P., <i>Associate Professor</i>	151 Meeting St.
Gorman, A., <i>Fr.</i>	Caswell 13
Gorman, J. L., <i>Fr.</i>	University 59
Gorman, M. A., <i>W. So.</i>	16 Comstock Ave.
Gleason, R. R., <i>So.</i>	120 Angell St.
Graham, A., <i>Sr.</i>	Brunonia 2
Grammont, B. B., <i>W. Sr.</i>	21 Arch St.
Granger, C. M., <i>Gr.</i>	38 Benevolent St.
GREEN, T. F., <i>Trustee</i>	15 Westminster St.
Greene, A. W., <i>Fr.</i>	University 33
Greene, C. A., <i>So.</i>	Slater 7
Greene, F. I., <i>Sr.</i>	University 34
GREENE, J. F., <i>Assistant Professor</i>	Seekonk, Mass.
Griffith, C. H., <i>So.</i>	Hope 37
Griggs, N. B., <i>Fr.</i>	Hope 21
Grimshaw, I. M., <i>W. Jr.</i>	117 George St.
Grinnell, C. L., <i>So.</i>	Caswell 11
GROSE, H. B., Jr., <i>Instructor</i>	Caswell 30
Grose, L. R., <i>So.</i>	Caswell 30
Grover, E. E., <i>W. Fr.</i>	218 Park St.
Grover, J. I., <i>Jr.</i>	Caswell 3
GUILD, F. T., <i>Registrar</i>	18 Benefit St.
Guile, M. E., <i>W. Sp.</i>	31 Burnett St.
Gurney, A. H., <i>So.</i>	Hope 38
Gurney, K. C., <i>W. Sp.</i>	27 East Manning St.
Gyllenberg, I. A., <i>W. Fr.</i>	78 Mitchell St.

Hadley, H. J. P., <i>So.</i>	Caswell 8
Hadley, P. B., <i>Gr.</i>	Rhode Island Hall
Hadley, R. V., <i>Jr.</i>	University 26
Hager, E. R., <i>So.</i>	700 Park Ave., Auburn, R. I.
Hagerty, C. A., <i>Fr.</i>	University 12
Hague, E. M., <i>W. Fr.</i>	Cumberland Hill, R. I.
Haight, A. V., <i>Jr.</i>	Slater 14
Haight, L. L., <i>W. Sr.</i>	Warren, R. I.
Hall, J. A., <i>So.</i>	Hope 1
Hall, M. I., <i>W. So.</i>	31 Pocasset Ave.
Hall, M. W., <i>W. Fr.</i>	High Service Ave., North Providence, R. I.
Hall, W. J., <i>Sp.</i>	University 1
Hallborg, H. E., <i>Jr.</i>	Brunonia 10
Hallett, Miss S. N., <i>Gr.</i>	283 George St.
Halliwell, J. A., <i>W. So.</i>	387 Wickenden St.
Hamblin, W. O., <i>Sp.</i>	35 Sumter St.
Hamilton, J., <i>Sr.</i>	Hope 28
Hamilton, J., <i>So.</i>	University 43
Hamlin, C. M., <i>Jr.</i>	Hope 2
Hammer, T. P., <i>Gr.</i>	30 Gowen Ave., Mt. Airy, Philadelphia, Pa.
Hardy, C. S., <i>Fr.</i>	Caswell 22
HARKNESS, A., <i>Professor Emeritus and Fellow</i>	101 Prospect St.
Harkness, A., 2d, <i>Fr.</i>	Slater 11
HARKNESS, A. G., <i>Professor</i>	7 Cooke St.
Harkness, E. E., <i>Sr.</i>	University 31
Harrigan, D. J., <i>Fr.</i>	38 Benevolent St.
Harris, H. E., <i>Jr.</i>	Caswell 25
Harris, W. H., <i>Sp.</i>	286 Thayer St.
Harson, J. L., <i>Sr.</i>	Hope 7
Hart, W. A., <i>Gr.</i>	So. Dartmouth, Mass.
Hartman, E. G., <i>W. Fr.</i>	499 Washington St.
Harvey, F. S., <i>Jr.</i>	Caswell 34
Hatch, A., <i>W. Sp.</i>	416 Brook St.
Hatch, F. E., <i>W. So.</i>	44 Sycamore St.
Hatch, H. F., <i>Sr.</i>	Hope 41
Hatch, W. E., <i>Jr.</i>	Hope 41
Hathaway, C. M., <i>So.</i>	Maxcy 426
Havens, C. E., <i>Fr.</i>	Hope 26
Hawkins, F. E., <i>Gr.</i>	241 Thurber Ave.
Hayden, D., <i>W. Fr.</i>	58 Sayles Ave.
Hayward, C. L., <i>Sr.</i>	University 25
Hazard, J. O., <i>So.</i>	Hope 7
HAZARD, R. G., <i>Fellow</i>	Peace Dale, R. I.
Heffernan, T. L., <i>Jr.</i>	75 Belmont Ave.

Hempel, E. C., <i>Fr.</i>	University 36
Henderson, G. H., <i>Fr.</i>	Maxcy 208
Henderson, O. J. B., <i>Jr.</i>	64 Bay View Ave., Bristol, R. I.
Herrmann, I. F., <i>W. Sr.</i>	17 Constitution St., Bristol, R. I.
Hersey, W. R., <i>Sr.</i>	Brunonia 13
Hess, J. M., <i>Jr., Fr.</i>	University 54
Hicks, F. C., <i>Gr.</i>	Naval War College, Newport, R. I.
Higgins, W. M., <i>Fr.</i>	Hope 2
High, H. G., <i>Fr.</i>	12 Hammond St.
High, L. S., <i>So.</i>	12 Hammond St.
[HILL, J. E.], <i>Professor</i>	86 Taber Ave.
Hill, P. T., <i>Sr.</i>	Hope 20
Himes, L. W., <i>Fr.</i>	Phcnix, R. I.
Hines, G. A., <i>Sr.</i>	Hope 25
Hinton, M. I., <i>W. Fr.</i>	Plainville, Mass.
Hobson, H. R., <i>Sr.</i>	Hope 25
Hoffman, L. S., <i>Jr.</i>	Hope 48
Holder, R. E., <i>Gr.</i>	34 Benevolent St.
Hollen, E. J., <i>Fr.</i>	Hope 21
Holt, H. M., <i>W. So.</i>	146 Sheldon St., Elmwood Station, R. I.
Holt, Miss L. R., <i>Gr.</i>	11 Hayward St., Pawtucket, R. I.
Honiss, J. R., <i>So.</i>	4 Manning St.
Hopkins, B. E., <i>W. Jr.</i>	28 Bridgham St.
Hopkins, J. B., <i>W. Sr.</i>	16 Cooke St.
HORR, G. E., <i>Fellow</i>	Newton Centre, Mass.
Horton, Miss R. A., <i>Gr.</i>	139 Prospect St., Pawtucket, R. I.
Howard, F. N., <i>So.</i>	4 Manning St.
HOWARD, J. L., <i>Trustee</i>	Hartford, Conn.
Howe, S. J., <i>So.</i>	University 22
Hoye, V. C., <i>Sr.</i>	University 49
Hoyle, H. L., <i>W. Jr.</i>	128 Providence St.
HOYT, C., <i>Trustee</i>	36 Wall St., New York, N. Y.
Hubbard, C. C., <i>So.</i>	University 55
Hubbard, G. B., <i>Sp.</i>	4 Manning St.
Hueston, R. A., <i>So.</i>	University 42
Huff, C. S., <i>Sr.</i>	Brunonia 3
HUGHES, C. E., <i>Trustee</i>	56 Broadway, New York, N. Y.
Hughes, C. E., <i>Jr., Fr.</i>	Hope 39
HULING, R. G., <i>Trustee</i>	10 Hurlbert St., Cambridge, Mass.
HUNKINS, C. H., <i>Instructor</i>	101 Waterman St.
Hunkins, C. J., <i>So.</i>	University 47
Hunt, C. E., <i>So.</i>	Maxcy 434
Hunt, H. B., <i>So.</i>	Hope 28
Hunt, H. E., <i>Sr.</i>	Hope 22

HUNTINGTON, H. B., <i>Assistant Professor</i>	16 Young Orchard Ave.
Huntley, W. F., <i>Jr.</i>	University 12
Huntsman, Z. F. R., <i>W. Jr.</i>	37 South Angell St.
Hurley, G., <i>Jr.</i>	100 Waterman St.
Hunford, G. T., <i>Fr.</i>	Maxcy 314
Hyde, J. C., <i>Gr.</i>	10 Farewell St., Newport, R. I.
Ide, S. A., <i>W. So.</i>	401 Benefit St.
Ide, W. T., <i>Sp.</i>	Hope 8
Ingalls, W. C., <i>Jr., Fr.</i>	Maxcy 429
Ingman, L. F., <i>W. Sr.</i>	87 Benefit St.
JACKSON, D., <i>Sp.</i>	Slater 12
Jackson, H. G., <i>Sr.</i>	Slater 12
Jackson, H. K., <i>Fr.</i>	Slater 6
Jackson, S. E., <i>Sp.</i>	Caswell 7
Jacobs, I., <i>Fr.</i>	Caswell 3
JACONS, W. B., <i>Professor</i>	310 Olney St.
Jager, H. A., <i>So.</i>	462 Prairie Ave.
James, H. W., <i>Sr.</i>	Hope 7
James, J. W., <i>Sr.</i>	Brunonia 9
James, M. C., <i>Sp.</i>	Caswell 16
Jamgochian, K., <i>Sp.</i>	492 Washington St.
JENNINGS, A. J., <i>Trustee</i>	Granite Block, Fall River, Mass.
Jennings, L. C., <i>Fr.</i>	Slater 8
Jillson, E. T., <i>Jr.</i>	Hope 35
JOHNSON, A. B., <i>Associate Professor</i>	168 Walnut St., East Providence, R. I.
Johnson, C. R., <i>Fr.</i>	Rumford, R. I.
Johnson, H. A., <i>W. Jr.</i>	Rumford, R. I.
Johnson, M. K., <i>W. So.</i>	217 Regent Ave.
Johnson, P. H. S., <i>Sp.</i>	127 Benefit St.
Johnson, T. C., <i>So.</i>	Phenix, R. I.
Jonas, A., <i>W. Fr.</i>	7 Barnes St.
JONAS, J. B. E., <i>Assistant Professor</i>	7 Barnes St.
Jones, C. H., <i>Jr., Sr.</i>	Caswell 33
Jones, Miss G. J., <i>Gr.</i>	66 Benefit St.
Jones, P. D., <i>Jr.</i>	109 Bowen St.
Jones, R. B., <i>So.</i>	Slater 5
Jones, R. W. D., <i>So.</i>	University 44
Joslin, Miss L. B., <i>Gr.</i>	184 Meeting St.
Josselyn, L. W., <i>So.</i>	University 12
JUDSON, E., <i>Trustee</i>	53 Washington Sq., South, New York, N. Y.
Keen, H. B., <i>Jr.</i>	Slater 20
KEEN, W. W., <i>Fellow</i>	1729 Chestnut St., Philadelphia, Pa.
Keenan, B. A., <i>Fr.</i>	25 Fruit St., Pawtucket, R. I.

Keith, A. H., <i>W. So.</i>	87 Benefit St.
KELLEN, W. V., <i>Trustee</i> 202 Commonwealth Ave.,	Boston, Mass.
Kelley, E. A., <i>Sr.</i>	Maxcy 211
Kelley, G. H., <i>Sp.</i>	101 Hope St.
Kelley, H. M., <i>Jr.</i>	Brunonia A
Kelley, M. S., <i>So.</i>	29 Laurel St.
Kemp, G. A., <i>Fr.</i>	Brunonia 6
Kendall, L. M., <i>Gr.</i>	86 Cushing St.
KENERSON, W. H., <i>Assistant Professor</i>	11 Hudson St.
Kennedy, M., <i>W. Sp.</i>	549 Broadway
Kennedy, W. A., <i>Sr.</i>	Hope 34
Kenney, M., <i>W. Fr.</i>	122 Hope St.
Kennon, F. A., <i>W. Fr.</i>	153 Vinton St.
Kent, M., <i>W. So.</i>	612 Public St.
Keough, H. H., <i>Fr.</i>	Maxcy 429
Kiernan, J. F., <i>Fr.</i>	Caswell 33
King, A. C., <i>Sr.</i>	Hope 24
KING, C. G., <i>Trustee</i> 774 Fairmount St.,	Cleveland, O.
KING, H. M., <i>Trustee</i>	94 Angell St.
KING, Miss L. S., <i>Dean of the Women's College, Assistant Professor</i>	94 Angell St.
King, M. E., <i>W. Sp.</i>	66 Benefit St.
King, R. F., <i>Fr.</i>	Caswell 22
Kirby, C. M., <i>Sp.</i>	136 Superior St.
KIRK, W., <i>Instructor</i>	Caswell 31
Kirley, A. J., <i>Fr.</i>	Maxcy 205
KNIGHT, Miss A. S., <i>Advisory Council, W.</i>	366 Broadway
Knowles, H., <i>Sr.</i>	155 Benefit St.
Knowles, J. C., <i>Jr.</i>	Slater 17
KOOPMAN, H. L., <i>Librarian</i>	57 East Manning St.
Krause, G. F., <i>Sr.</i>	University 28
Kriebble, V. K., <i>Jr.</i>	Hope 8
LaBeaume, E. I., <i>Sp.</i>	Slater 7
LaDame, M., <i>W. Sr.</i>	76 Benefit St.
Ladd, E. S., <i>Sp.</i>	107 Angell St.
Lake, A. H., <i>So.</i>	University 52
Lake, A. L., <i>W. So.</i>	66 Benefit St.
Lake, H. B., <i>Fr.</i>	Hope 15
Lahey, F. E., <i>Gr.</i>	14 Craven St.
Lane, F. W., <i>So.</i>	26 Irving Ave.
Lane, H. B., <i>Fr.</i>	University 58
LANGDON, C., <i>Professor</i>	86 Upton Ave.
Lapham, J. R., <i>Fr.</i>	6 De Foe Place

LAPHAM, O., <i>Trustee</i>	183 Waterman St.
Laraway, I. L., <i>W. Fr.</i>	121 Plainfield St.
Larrabee, L. L., <i>Fr.</i>	Hope 43
Lasker, J. H., <i>Fr.</i>	35 Hilton St.
LATHAM, G. W., <i>Instructor</i>	11 1-2 John St.
Latimer, R. L., <i>Sr.</i>	Maxcy 211
Leach, A. E., <i>So.</i>	University 45
Lee, E. D., <i>W. Fr.</i>	125 Governor St.
Lehman, E. C., <i>Jr.</i>	Maxcy 323
Leighton, F. M., <i>W. Sr.</i>	150 Pitman St.
Lever, J. H., <i>So.</i>	263 Benefit St.
Levere, M. M., <i>W. Jr.</i>	125 Governor St.
Lewis, S. C., <i>Fr.</i>	188 Waterman St.
Lightbody, W. R., <i>Sr.</i>	Slater 15
Lillibridge, J. W. S., <i>Jr.</i>	66 Benevolent St.
Lillie, W. L., <i>Sr.</i>	147 Angell St.
LINCOLN, W. E., <i>Trustee</i>	Pittsburgh, Pa.
Lindemuth, B. F. G., <i>Jr.</i>	Hope 19
Linnell, W. N. F., <i>Fr.</i>	Hope 35
Little, L. S., <i>Jr.</i>	Slater 1
Littlefield, H. W., <i>Fr.</i>	Slater 7
Littlefield, I., <i>Fr.</i>	Slater 7
Livingston, N. G., <i>W. Fr.</i>	85 Congdon St.
Loepsinger, A. J., <i>Sr.</i>	39 Atlantic Ave.
Low, C. C., <i>So.</i>	Caswell 24
Luce, L. J., <i>Sr.</i>	Caswell 25
Lundell, C. A., <i>Jr.</i>	University 31
Lyall, H. W., <i>So.</i>	Hope 40
Lyle, E. H., <i>Sr.</i>	University 53
McAlister, A. E., <i>W. Sr.</i>	56 Rand St., Central Falls, R. I.
McAuliffe, R. G., <i>W. Jr.</i>	184 Elmgrove Ave.
McCann, C. D., <i>Fr.</i>	University 50
McCarthy, E. H., <i>Fr.</i>	University 40
McCausland, E. E., <i>W. Fr.</i>	115 Bowen St.
McCoy, L. A., <i>Fr.</i>	11 Gerald St., Pawtucket, R. I.
McCoy, O. R., <i>Fr.</i>	University 59
McDonald, J. C., <i>Fr.</i>	Hope 7
MacDONALD, W., <i>Professor</i>	450 Brook St.
McDonald, W. L., <i>So.</i>	Hope 7
McDuffee, W. C., <i>Fr.</i>	Maxcy 430
McEvoy, C. D., <i>Jr.</i>	120 Woodward Road
McFadden, J. B., <i>Gr.</i>	260 Lonsdale Ave., Pawtucket, R. I.
MacGregor, N. F., <i>So.</i>	100 Waterman St.

McGreen, F. A., <i>Sp.</i>	Hope 11
McIntyre, F. D., <i>Sr.</i>	Brunonia 2
McKenna, E. E., <i>W. Sr.</i>	57 Cypress St.
Mackenzie, J. B., <i>So.</i>	Caswell 9
MacKenzie, K. M., <i>W. Jr.</i>	36 Waldo St., Pawtucket, R. I.
McLean, D., <i>Sp.</i>	Slater 12
MacMINN, G. R., <i>Assistant</i>	Caswell 27
McNerney, L., <i>W. Fr.</i>	Attleboro, Mass.
McPhee, R. W., <i>So.</i>	Hope 22
Maddaus, O., <i>Sp.</i>	Hope 5
Mahy, G. E., <i>W. Jr.</i>	40 Fourth St.
Mahy, Miss M. C., <i>Gr.</i>	40 Fourth St.
Maile, A. S., <i>W. Fr.</i>	119 Massasoit Ave., Edgewood, R. I.
Maines, F., <i>Fr.</i>	865 North Main St.
Malcolm, J. J., <i>Jr.</i>	64 Doyle Ave.
MANATT, J. I., <i>Professor</i>	59 Charles Field St.
Manchester, A. W., <i>Sr.</i>	Caswell 25
MANCHESTER, E. N., <i>Reference Librarian</i>	66 Meeting St.
MANNING, H. P., <i>Assistant Professor</i>	188 Meeting St.
Manter, E. W., <i>Fr.</i>	Maxcy 202
Marble, G. M., <i>W. Fr.</i>	Attleboro, Mass.
Marble, R. A., <i>Sr.</i>	University 21
Marcus, P. V., <i>Sr.</i>	235 Orms St.
Marshall, A. I., <i>Fr.</i>	Caswell 7
Marshall, T. R., <i>Jr.</i>	Brunonia 4
MARSTON, E. L., <i>Trustee</i>	24 Broad St., New York, N. Y.
Marston, H. S., <i>Fr.</i>	Slater 10
Martin, A. R., <i>W. Jr.</i>	Warren, R. I.
MARVEL, F. W., <i>Professor</i>	281 Olney St.
Maryott, A. J., <i>So.</i>	Hope 6
MASON, E. W., <i>Trustee</i>	149 Waterman St.
Mason, F. F., <i>So.</i>	5 Sisson St., Pawtucket, R. I.
Mason, R., <i>W. Sp.</i>	106 George St.
Mathieu, B. C., <i>W. Jr.</i>	379 Broad St., Central Falls, R. I.
Matteson, P., <i>Sr.</i>	112 Prospect St.
Mattuck, G. F., <i>Jr.</i>	Maxcy 323
Mattuck, J. A., <i>Gr.</i>	33 Angell St.
May, Miss S. A., <i>Gr.</i>	32 Jenckes St.
Mayer, E. B., <i>Fr.</i>	Caswell 15
Mayhew, J. W., <i>Fr.</i>	Slater 17
Mayo, B. L., <i>W. Fr.</i>	16 Humboldt Ave.
MEAD, A. D., <i>Professor</i>	283 Wayland Ave.
Mead, J. P., <i>Sr.</i>	Hope 42
Meador, L. H., Jr., <i>Fr.</i>	Hope 22

Medbury, C. E., <i>W. So.</i>	219 Lowell Ave.
Mehan, L. A., <i>Fr.</i>	Hope 28
MEIKLEJOHN, A., <i>Dean of the University, Associate Professor</i>	51 Arlington Ave.
Mercer, C. D., <i>Sr.</i>	54 College St.
MERCER, Miss H. J., <i>Head of the Slater Memorial Home- stead</i>	66 Benefit St.
Mercer, J. M., <i>Fr.</i>	Hope 38
Merritt, R. M., <i>Jr.</i>	100 Waterman St.
METCALF, S. O., <i>Trustee</i>	36 Exchange Place
Miller, H. E., <i>Jr.</i>	Caswell 34
Miller, R. H., <i>Fr.</i>	4 Manning St.
Miller, T., <i>So.</i>	Hope 34
Miller, W. D., <i>Fr.</i>	Caswell 5
Mills, D. H., <i>Sp.</i>	Ashton, R. I.
Minnerly, H. E., <i>Sp.</i>	Slater 5
MITCHELL, C. S., <i>Assistant</i>	Caswell 27
Mitchell, M. E., <i>Sp.</i>	University 1
Mitchell, R. E., <i>So.</i>	154 Lippitt St.
Mitchell, W. E. B., <i>Fr.</i>	Maxcy 432
Mitchell, W. P., <i>Fr.</i>	Caswell 27
Moody, F. W., <i>Jr.</i>	University 25
Moore, E. E., <i>Sr.</i>	Maxcy 317
Morgan, H. A., <i>Gr.</i>	4 Manning St.
Morgan, I. A., <i>W. Sr.</i>	2270 Pawtucket Ave.
Morgan, L. B., <i>W. Jr.</i>	184 Howell St.
Morgan, M. J., <i>W. Fr.</i>	184 Howell St.
Morrill, W. D., <i>Sp.</i>	Caswell 24
Morrison, W. S., <i>Fr.</i>	University 60
MORSE, A. S., <i>Assistant Professor</i>	North Scituate, R. I.
Morse, W. F., <i>Sr.</i>	Brunonia 6
Moss, N. A., <i>Gr.</i>	284 Broadway, Cambridge, Mass.
Moulton, E. B., <i>Jr.</i>	Hope 26
Moulton, P. S., <i>Sr.</i>	Slater 2
Mulligan, J. D., <i>Fr.</i>	24 Linton St.
Munro, Miss E. G., <i>Gr.</i>	Bristol, R. I.
Munro, H. B., <i>W. Sp.</i>	Bristol, R. I.
Munro, J. B., <i>So.</i>	Warren, R. I.
Munro, R. F., <i>Sp.</i>	321 High St., Bristol, R. I.
MUNRO, W. H., <i>Professor</i>	115 Butler Ave.
Murray, J., <i>Sp.</i>	64 Sabin St.
Murray, J. L., <i>Sp.</i>	Caswell 36
Myers, L., <i>Sr.</i>	Maxcy 425

Nash, W. R., <i>Fr.</i>	87 Congdon St.
Nason, R. C., <i>So.</i>	Brunonia 3
Nass, F. A., <i>W. Sp.</i>	67 Corliss St.
Newton, H. C., <i>Gr.</i>	Maxcy 313
Nichols, E. A., <i>W. Sr.</i>	37 Somerset St.
Nichols, M. B., <i>W. Fr.</i>	29 Portland St.
Nickerson, E. D., <i>Sr.</i>	Hope 27
Nickerson, I. L., <i>Jr.</i>	Manton, R. I.
Nicolson, D., <i>Fr.</i>	University 1
NORRIS, C. E., <i>Instructor</i>	Brunonia 8
Norton, W. C., <i>Fr.</i>	University 53
Nourse, C. L., <i>Fr.</i>	38 Benevolent St.
Nuttall, H., <i>Fr.</i>	University 40
Nutter, C. N., <i>Sr.</i>	87 Congdon St.
Nutter, L. H., <i>So.</i>	87 Congdon St.
OBEAR, G. B., <i>Assistant</i>	303 Benefit St.
O'Brien, M. L., <i>W. Fr.</i>	Warren, R. I.
O'Connor, F. W., <i>Jr.</i>	27 Lawn Ave., Pawtucket, R. I.
O'Connor, J. J., <i>So.</i>	University 16
O'Keefe, J. H., <i>Sr.</i>	Maxcy 316
Olsen, A. J., Jr., <i>Fr.</i>	28 Grand St.
O'Neil, H. G., <i>Fr.</i>	Caswell 7
Orinsbee, R. C., <i>So.</i>	Slater 10
Osler, L. M., <i>W. Sp.</i>	241 Rhodes St.
Owen, E. B., <i>Sr.</i>	54 College St.
Paddock, E. M., <i>Jr.</i>	Hope 36
PAINE, E. T., <i>Instructor</i>	23 Illinois St., Central Falls, R. I.
Paine, H. W., <i>Jr.</i>	Hope 26
Paine, S. S., <i>So.</i>	Hope 40
PALMER, A. DEF., Jr., <i>Associate Professor</i>	71 Elmgrove Ave.
Palmer, E. E., <i>So.</i>	Slater 6
Palmer, H. R., <i>Gr.</i>	Stonington, Ct.
Parker, R. B., <i>Fr.</i>	Maxcy 205
Parkhurst, E. G., <i>Sr.</i>	Slater 17
Partridge, W., <i>Jr.</i>	Hope 48
Pattee, H. E., <i>Sr.</i>	Hope 4
Patterson, I. W., <i>Fr.</i>	Caswell 23
Paul, T. L., <i>Fr.</i>	Maxcy 314
Payne, H. H., <i>Fr.</i>	Caswell 9
Payne, L. F., <i>Jr.</i>	University 48
Peace, H. T., <i>Jr.</i>	University 54
Pearsall, H. E., <i>Jr.</i>	Caswell 6
Pearson, W. T., <i>Sr.</i>	Slater 15

Peck, G. S., <i>W. Sr.</i>	48 Princeton Ave.
Peckham, C. I., <i>Sp.</i>	Maxcy 211
Peckham, E. W., <i>So.</i>	20 Dodge St.
PEGHAM, J. C., <i>Demonstrator</i>	279 Benefit St.
PERKINS, J., <i>Demonstrator</i>	106 Waterman St.
Perry, C. W., <i>Sp.</i>	University 44
Phetteplace, A. T. S., <i>Sr.</i>	59 Durfee St.
PHETTEPLACE, T. M., <i>Instructor</i>	1612 Broad St.
Phillips, C. B., <i>W. So.</i>	345 Potter Ave.
Phillips, E. C., <i>W. Sr.</i>	345 Potter Ave.
Phillips, E. E., <i>W. Sr.</i>	16 Cooke St.
PHILLIPS, W. C., <i>Instructor</i>	155 Benefit St.
Pierce, F. H., <i>So.</i>	Hope 32
Pierce, F. W., <i>Sp.</i>	29 Hudson St.
Pierce, R. E., <i>W. Sp.</i>	328 Broadway
Piggott, B. E., <i>W. Sr.</i>	217 Washington St.
Pinkham, R. S., <i>Fr.</i>	132 South Angell St.
Piper, H. J., <i>Gr.</i>	101 Colonial Ave., Eden Park, R. I.
Pitman, H. M., <i>Fr.</i>	Slater 1
Plummer, C. S., Jr., <i>Fr.</i>	Slater 17
Poladian, N. H., <i>So.</i>	345 Orms St.
Poland, A. H., <i>Fr.</i>	Slater 11
POLAND, W. C., <i>Professor</i>	53 Lloyd Ave.
Pollock, W. D., <i>Fr.</i>	119 Waterman St.
POPE, A. U., <i>Instructor</i>	Caswell 32
Pope, T. E. B., <i>Gr.</i>	Bureau of Fisheries, Washington, D. C.
Porter, E. M., <i>Sr.</i>	Slater 14
PORTER, H. K., <i>Fellow</i>	Pittsburgh, Pa.
POTTER, A. K., <i>Associate Professor</i>	220 Waterman St.
Potter, A. M., <i>W. So.</i>	145 Chester Ave.
Potter, E. J., <i>Jr.</i>	Hope 25
Powell, R., <i>Sr.</i>	Brunonia 9
Pray, C. A., <i>Sr.</i>	97 Mitchell St.
Presbrey, A. E., <i>W. So.</i>	51 Niagara St.
Prestwich, T. W., <i>Sr.</i>	125 Doyle Ave.
Price, F. J. H., <i>Jr.</i>	4 Manning St.
Price, J., <i>Fr.</i>	153 West Clifford St.
Prout, W. C., <i>Sp.</i>	Brunonia 9
Prouty, L. A., <i>Sr.</i>	100 Waterman St.
Provan, F. L., <i>Fr.</i>	38 Benevolent St.
Pryor, J. D., <i>So.</i>	4 Manning St.
Rackle, O. W., <i>Sr.</i>	Maxcy 321
RADEKE, MRS. E. G., <i>Advisory Council, W.</i>	92 Prospect St.

Rafter, Miss M. F., <i>Gr.</i>	66 Benefit St.
Randall, J. H., <i>Gr.</i>	Rangoon, Burma
RANDALL, O. E., <i>Professor</i>	142 Larch St.
Randall, W. L., <i>Sp.</i>	58 College St.
Raymond, W. P., <i>Fr.</i>	University 51
Raynor, E. P., <i>Fr.</i>	87 Congdon St.
Read, W. A., <i>Gr.</i>	268 Brown St.
Redford, C., <i>W. Jr.</i>	147 East Ave., Pawtucket, R. I.
Redford, G., <i>W. Sr.</i>	147 East Ave., Pawtucket, R. I.
Reese, L. A., <i>Gr.</i>	635 Topeka Ave., Topeka, Kans.
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Reynolds, A. G., <i>W. Sp.</i>	66 Benefit St.
Reynolds, E. S., <i>Jr.</i>	60 Evergreen St.
Reynolds, F. C., <i>W. Sr.</i>	150 Pitman St.
Reynolds, W. W., <i>So.</i>	100 Waterman St.
Richardson, D. V., <i>So.</i>	55 Glenham St.
Richmond, L., <i>Fr.</i>	Caswell 5
Rider, W. E., <i>Fr.</i>	Mansfield, Mass.
Riley, E. F., <i>W. Fr.</i>	69 Barnes St.
Riley, G. F. A., <i>Fr.</i>	University 40
Robbins, H. W., <i>So.</i>	University 60
Roberts, A., <i>Fr.</i>	45 Waterman St.
Robinson, C. C., <i>W. Fr.</i>	27 Beacon Ave.
Robinson, D. W., <i>So.</i>	Slater 3
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Robinson, L. H., <i>W. Sr.</i>	339 Broadway, Pawtucket, R. I.
Rollins, I. L., <i>W. Jr.</i>	43 Hammond St.
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Rose, W. M., <i>So.</i>	Slater 14
Rosen, L., <i>Sr.</i>	231 Willard Ave.
Ross, E. C., <i>Fr.</i>	313 High St.
Ross, E. V., <i>Jr.</i>	University 10
Ross, W. C., <i>Fr.</i>	University 10
Ross, W. N., <i>Jr.</i>	University 18
Round, Miss E. M., <i>Gr.</i>	139 Superior St.
Rowand, E. I., <i>W. Jr.</i>	67 James St., East Providence, R. I.
ROWE, L. E., <i>Assistant</i>	Shawomet Beach, R. I.
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Ryder, B. F., <i>So.</i>	University 19
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 Shor, G. G., *Sr.*
- 102 Daboll St.
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 4 Claremont Ave.
 194 Broad St.
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 638 Broad St.
 4 Manning St.
 268 Knight St.
 75 Ship St
 435 Angell St.
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 163 Butler Ave.
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 8 Jenckes St.
 130 Angell St.
 64 College St.
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 842 Plainfield St.
 Hope 13
 62 Vernon St.
 Delaware, O.
 New Rochelle, N. Y.
 324 Laurel Hill Ave.
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 158 Douglas Ave.
 8 DeFoe Place
 8 DeFoe Place
 Hightstown, N. J.
 Slater 1
 107 George St.
 40 Angell St.
 Brunonia 9

Shore, F. W., <i>W. So.</i>	<i>Daniel St.</i> , Pawtucket, R. I.
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SHOREY, Miss M. L., <i>Instructor, Women's College</i>	17 Waterman St.
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Sinclair, B. G., <i>Jr.</i>	100 Waterman St.
Sjoberg, C. F., <i>Fr.</i>	Hope 5
Skerry, H. A., <i>Fr.</i>	University 47
Slade, L. A., <i>W. So.</i>	66 Benefit St.
Slade, W. C., <i>Jr.</i>	University 19
SLOCUM, F., <i>Assistant Professor</i>	124 Camp St.
Slocum, W. G., <i>Sr.</i>	Hope 20
SMILEY, A. K., <i>Trustee</i>	Mohonk Lake, N. Y.
Smith, B., <i>Fr.</i>	Hope 31
Smith, B. L., <i>W. Jr.</i>	42 Dexter St.
Smith, C. H., <i>Jr.</i>	Caswell 15
Smith, C. R., <i>Fr.</i>	Hope 29
Smith, C. W., <i>Sr.</i>	4 Manning St.
Smith, D. W., <i>Jr.</i>	University 13
Smith, E. C., <i>W. Jr.</i>	625 East Ave., Pawtucket, R. I.
Smith, E. R., <i>So.</i>	Maxcy 208
Smith, F. H., <i>Gr.</i>	Hillsboro Bridge, N. H.
Smith, H. B., <i>Fr.</i>	University 27
Smith, H. F., Jr., <i>Fr.</i>	Slater 11
Smith, W. A., <i>Fr.</i>	Hope 33
Snell, M., <i>W. Fr.</i>	1045 Elmwood Ave.
Snow, A. C., <i>Jr.</i>	Slater 15
Sooy, N. H., <i>Fr.</i>	Caswell 16
Soule, A. K., <i>Fr.</i>	Caswell 34
Southworth, D. L., <i>Fr.</i>	Hope 43
Spencer, F. G., Jr., <i>Jr.</i>	Hope 35
Spinney, W. A., Jr., <i>Jr.</i>	4 Manning St.
SPRAGUE, W., <i>Trustee</i>	Narragansett Pier, R. I.
Squire, E. J., <i>Fr.</i>	87 Congdon St.
Stacy, H. P., <i>So.</i>	440 West Ave.
STANTON, Miss E. B., <i>Registrar, Women's College</i>	Bristol, R. I.
Stark, C. R., Jr., <i>So.</i>	Brunonia 1
Stearns, H. B., <i>Fr.</i>	Hope 14
Steere, S. A., <i>So.</i>	Caswell 13
Stephens, A. T., <i>Fr.</i>	589 Public St.
Sternseher, N., <i>So.</i>	Maxcy 318
Stetson, H. T., <i>So.</i>	Hope 30
Stevens, G. S., <i>W. Sr.</i>	54 Willow St.
Stevens, M. W., <i>W. So.</i>	101 Whitmarsh St.

- Stewart, C. A., *Fr.*
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 Tillinghast, C. C., *Sr.*
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 Tourtellot, M. W., *W. So.*
 Townsend, G. A., *Fr.*
 Hope 46
 87 Benefit St.
 210 Governor St.
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 89 Bishop Ave., Rumford, R. I.
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 100 Waterman St.

Tracy, H. C., <i>Gr.</i>	University 38
Tracy, H. M., <i>Sr.</i>	Maxcy 427
Trausneck, W. H., <i>Fr.</i>	87 Congdon St.
Truesdell, L. E., <i>Jr.</i>	Maxcy 427
Tucker, R. D., <i>Jr.</i>	100 Waterman St.
Turner, J. V., <i>Fr.</i>	6 Pallas St.
Updyke, F. A., <i>Gr.</i>	49 George St.
Upton, L. P., <i>Sr.</i>	University 26
UPTON, W., <i>Professor</i>	156 Congdon St.
Van Arsdale, P. V., <i>Jr.</i>	University 36
Varnum, L. E., <i>So.</i>	39 Parkis Ave.
Vartanian, A., <i>Sp.</i>	186 Cranston St.
VAUGHAN, M. D., <i>Keeper of Graduate Records</i>	150 Pitman St.
Verder, Miss B. C., <i>Gr.</i>	Rutland, Vt.
Vernon, J. A., <i>So.</i>	Slater 7
Von Tobel, R. G., <i>Jr.</i>	80 Chestnut St.
Walker, F. A., <i>Fr.</i>	314 Dyer St.
Walker, H. A., <i>So.</i>	University 44
WALKER, J. H., <i>Trustee</i>	Worcester, Mass.
Walker, W. R., 2d, <i>Fr.</i>	Caswell 10
Walsh, E. R., <i>Sr.</i>	University 41
Walsh, J. G., <i>Jr.</i>	Brunonia 2
Ward, C. H., 2d, <i>Fr.</i>	University 33
Wardwell, S. C., <i>Sp.</i>	Hope 16
Ware, G. W., <i>Sr.</i>	Caswell 10
Warner, Miss B. S., <i>Gr.</i>	59 Keene St.
Warren, C. F., <i>Fr.</i>	481 Pontiac Ave.
Washburn, E. M., <i>W. Jr.</i>	Central Falls, R. I.
Waters, C. C., <i>Gr.</i>	70 Almy St.
Wathen, A. W., <i>Jr.</i>	University 27
WATSON, A. E., <i>Assistant Professor</i>	30 Congdon St.
Watson, E. M., <i>Jr.</i>	Caswell 11
Watts, W. A., <i>Sp.</i>	Hope 17
WEBSTER, Miss H. C., <i>Assistant Cataloguer</i>	10 Hopkins St.
Webster, L. E., <i>W. So.</i>	54 Wesleyan Ave.
Weed, R. C., <i>Fr.</i>	Drownville, R. I.
Weikert, E. W., <i>Sr.</i>	Hope 45
Weil, H. A., <i>Fr.</i>	Caswell 17
Wells, E. S., <i>Fr.</i>	87 Congdon St.
Wells, J. H., <i>Fr.</i>	Slater 10
Welsh, H. G., <i>W. So.</i>	Warren, R. I.
West, W. C., <i>So.</i>	33 Angell St.
Westcott, C. A., <i>Fr.</i>	Caswell 36

Westcott, J. B., <i>Fr.</i>	74 Olive St.
Westervelt, A. K., <i>Fr.</i>	University 46
Weston, G. F., Jr., <i>Fr.</i>	University 55
Weston, S. D., <i>Fr.</i>	University 55
Wheeler, C. E., <i>Fr.</i>	87 Congdon St.
Wheeler, J. L., <i>Jr.</i>	University 12
Wheelock, R. B., <i>W. Sp.</i>	East Greenwich, R. I.
Whelan, M. E., <i>W. So.</i>	74 Almy St., Fall River, Mass.
Whipple, C. B., <i>Fr.</i>	Maxey 431
Whipple, C. M., <i>Fr.</i>	Caswell 13
Whiteher, Miss L., <i>Gr.</i>	255 Potter Ave.
White, A. E., <i>Jr.</i>	Brunonia 5
White, A. H., <i>Sp.</i>	Caswell 6
White, D. P., <i>Fr.</i>	University 22
White, L. H., <i>Jr.</i>	University 48
White, M. H., <i>W. So.</i>	287 Highland Ave.
White, W. K., <i>Jr.</i>	University 52
Whitehead, Miss C., <i>Gr.</i>	118 Vinton St.
Whitenack, R. C., <i>Sr.</i>	100 Waterman St.
Whitmarsh, R. H., <i>Fr.</i>	Brunonia 5
Whittaker, A. E., <i>Sr.</i>	Hope 41
Whittaker, Miss C. H., <i>Gr.</i>	Rehoboth, Mass.
Whittemore, B., <i>Sr.</i>	University 47
Whittemore, Miss I. K., <i>Gr.</i>	87 Willow St.
Whittlesey, M. A., <i>W. Jr.</i>	1 Daniel St., Pawtucket, R. I.
Wightman, F. A., <i>Fr.</i>	Brunonia 6
Wilcox, Miss A. W., <i>Gr.</i>	165 Prospect St.
Wildprett, E. M. L., <i>W. So.</i>	224 Point St.
Willemin, L. P., <i>Fr.</i>	22 Portland St.
WILLIAMS, L. W., <i>Assistant Professor</i>	89 Brown St.
Williams, N. H., <i>Fr.</i>	Hope 10
Wilmot, J., <i>So.</i>	University 13
Wilmot, S., <i>Fr.</i>	16 Elgin St.
WILSON, G. G., <i>Professor</i>	176 Midway St.
Wilson, Miss J., <i>Gr.</i>	Rumford, R. I.
WINSHIP, G. P., <i>Librarian, J. C. B. L.</i>	31 Benevolent St.
Winslow, A. M., <i>Gr.</i>	50 Elton St.
Winslow, S. S., <i>So.</i>	University 45
Winsor, L. A., <i>W. Jr.</i>	132 Lowell Ave.
Winsor, W. G., Jr., <i>Sr.</i>	Hope 27
Wood, B. B., <i>Gr.</i>	100 Waterman St.
Woodbury, W. E., <i>Sr.</i>	University 18
Woods, J. C. B., <i>Trustee</i>	62 Prospect St.
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Wyman, G. H., <i>So.</i>	Hope 47
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